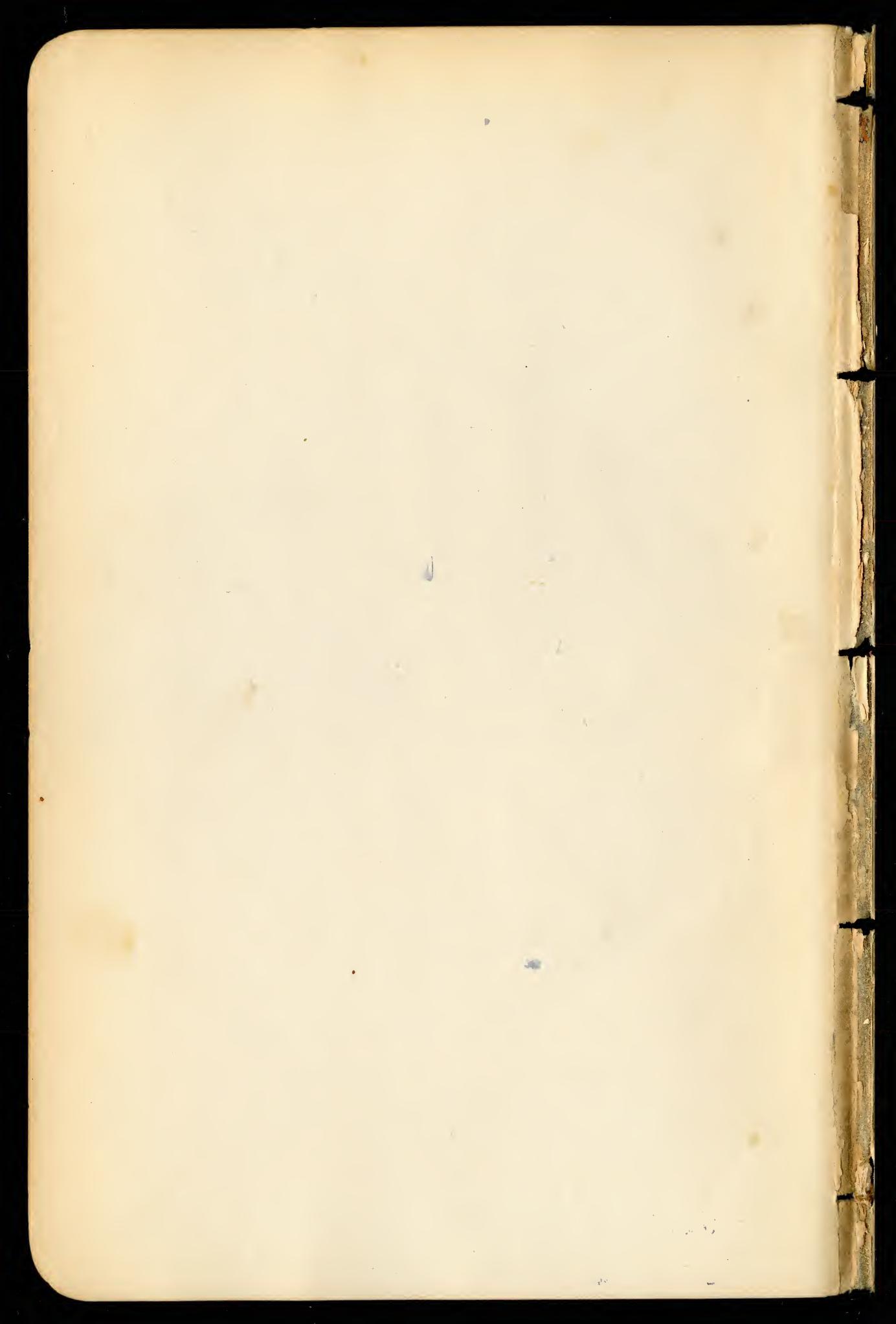
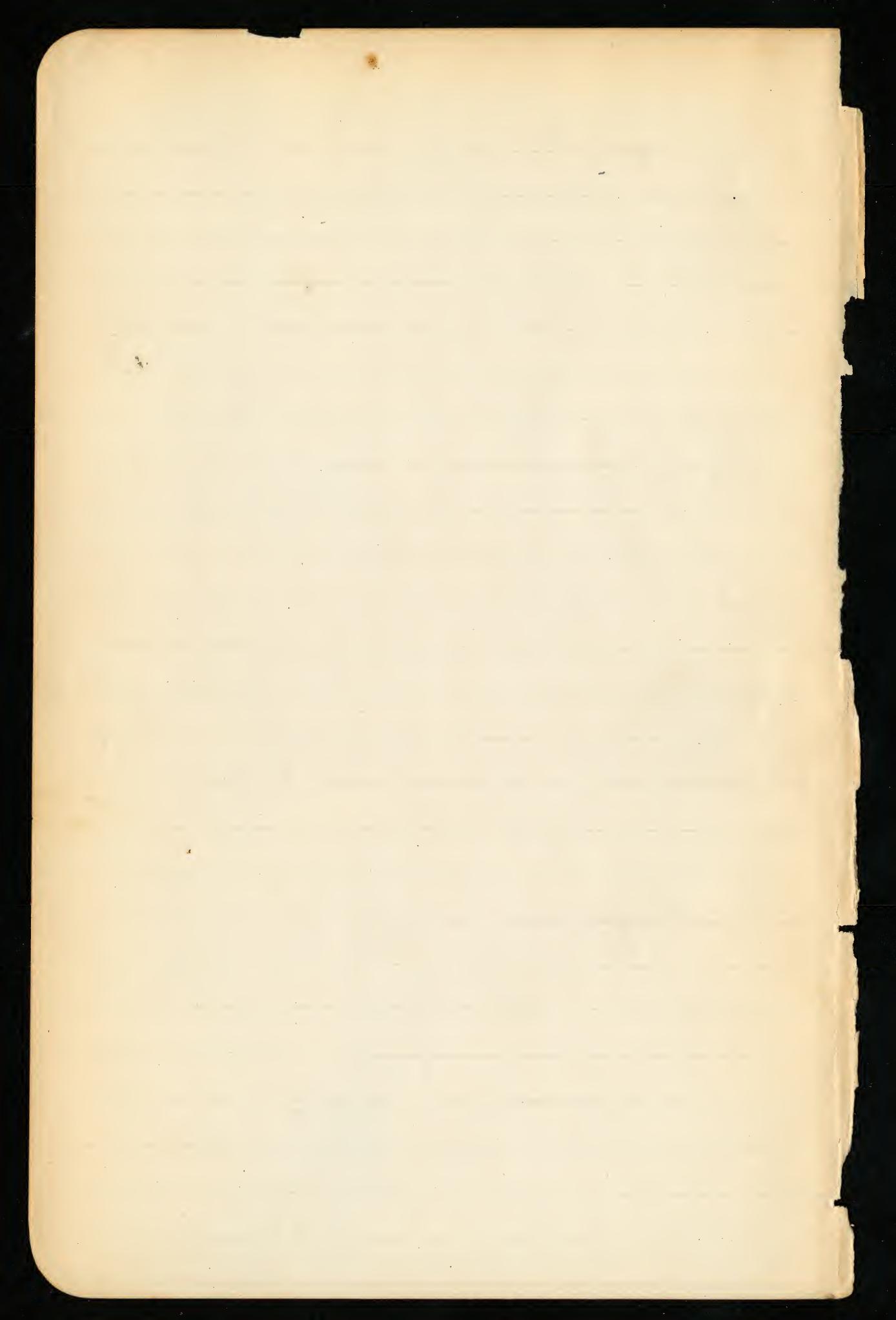


Coville Oregoni Journal

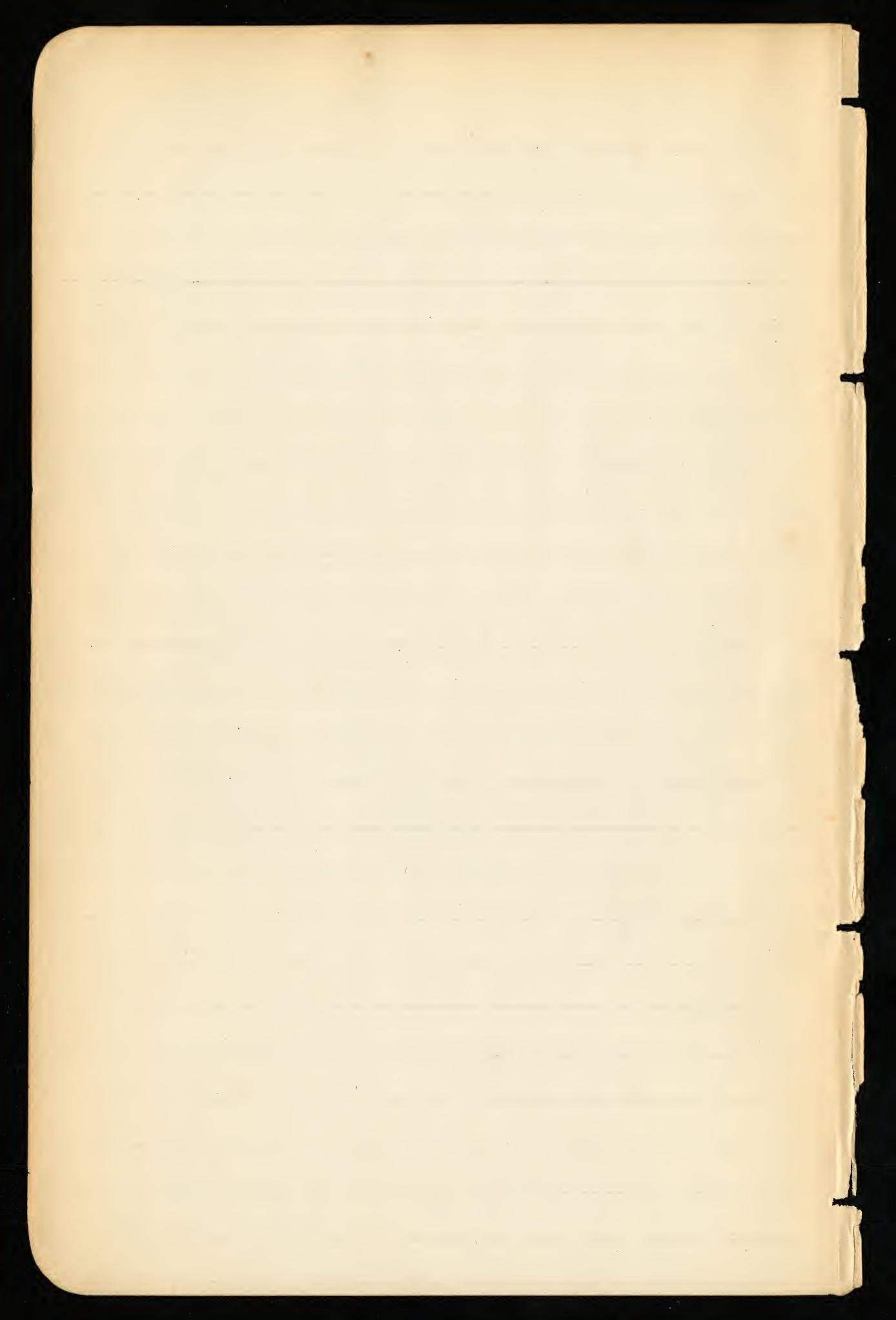
Pencil collection numbers added by H. St. John Apr. 1975.

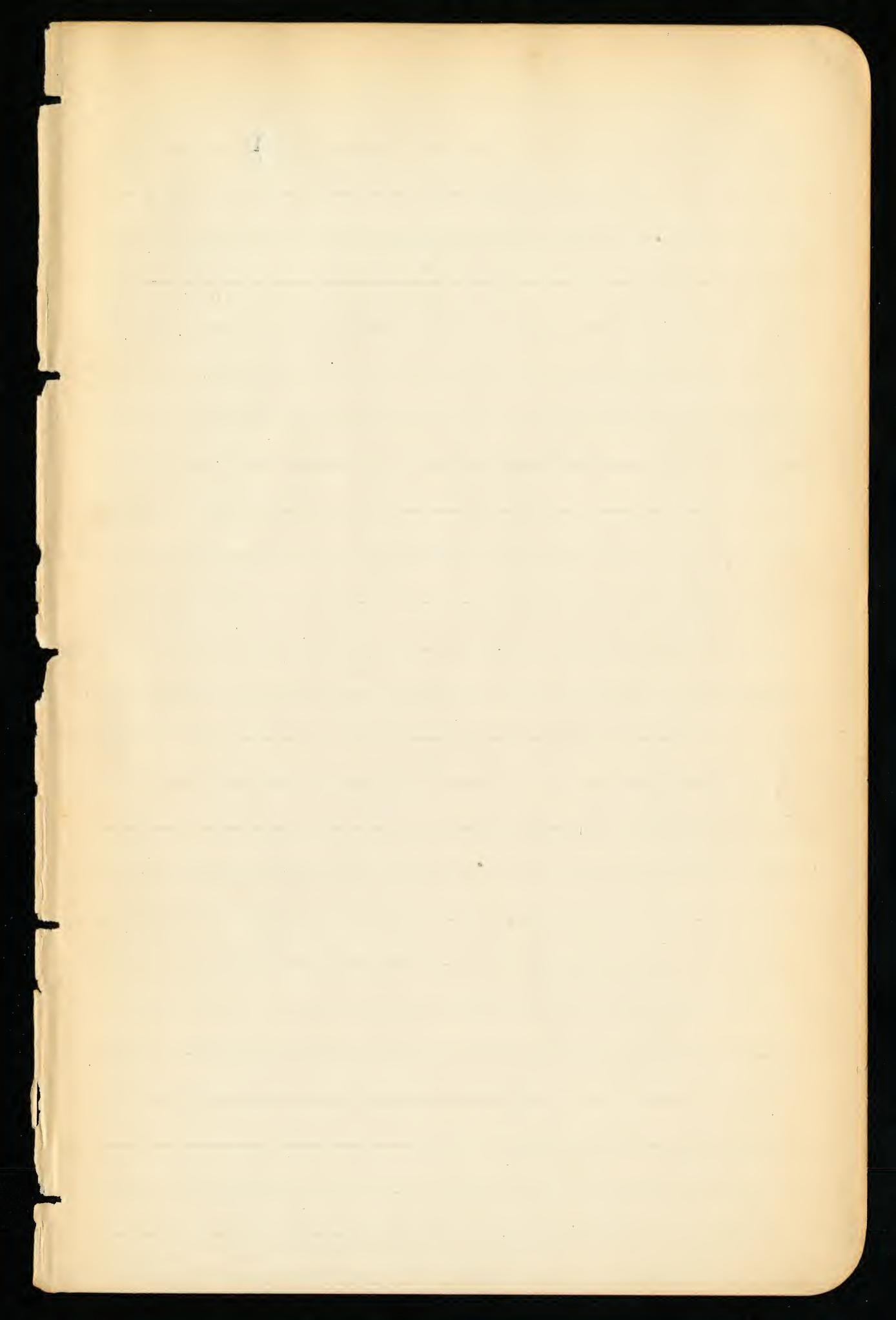


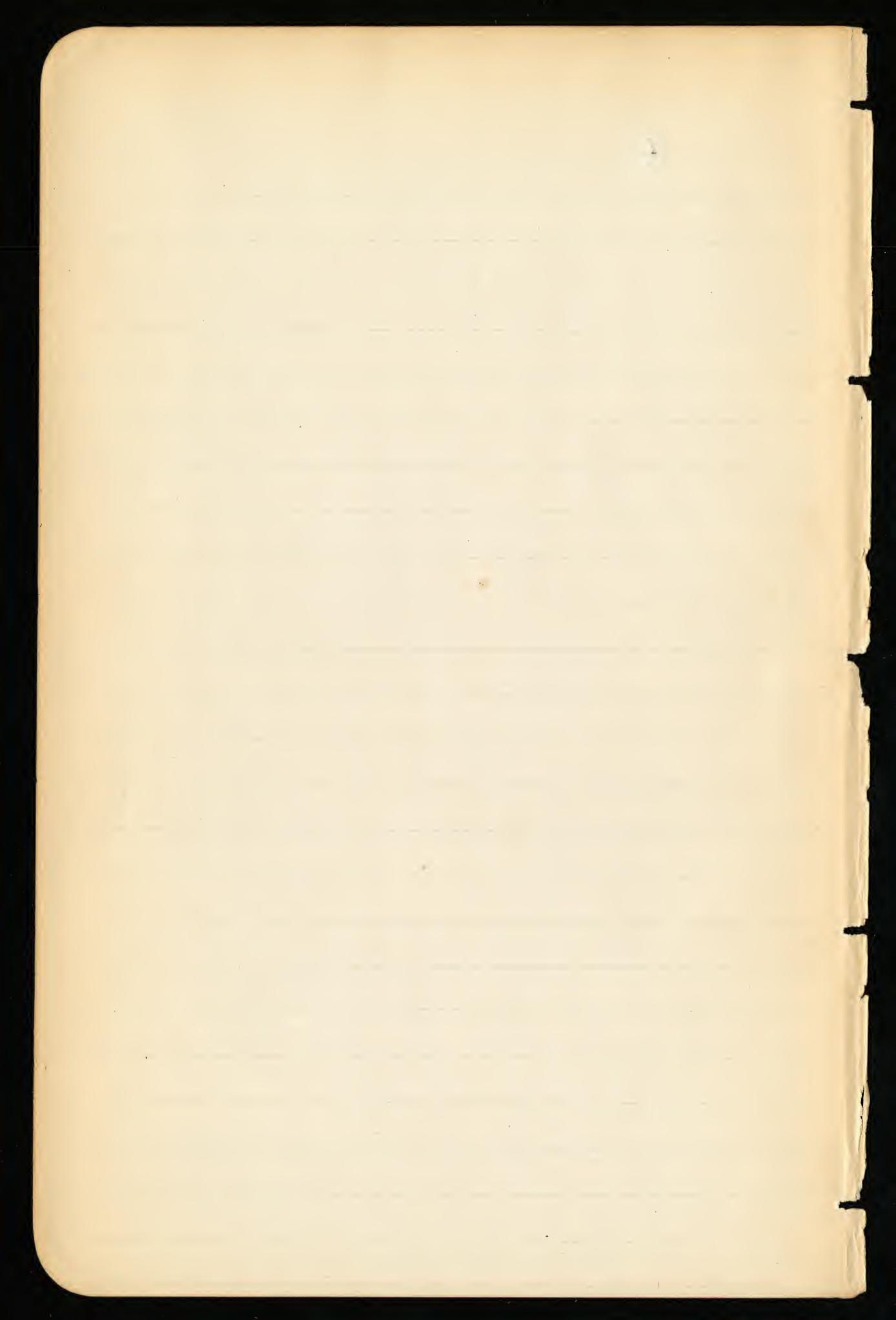
Plants about camp. ace macophyllum. Thuja plicata. Fapines organa alues groundis Populue Fichocata Corylus californica acer circinatum Osmarona cerasiforms Rubus vitifolius Rubna spectabilis Symphoricafios Ribes atripes Rosa macrocaga Cornes muttalli Cratague rivularis Rosa gymnocafra Berbis agnifolium Unelandier alrifolia Shiraea donglasii Rubus lencodemis Pyros rivularis Sambueus glanca Philadelphus lewisii Rhamma purhiana

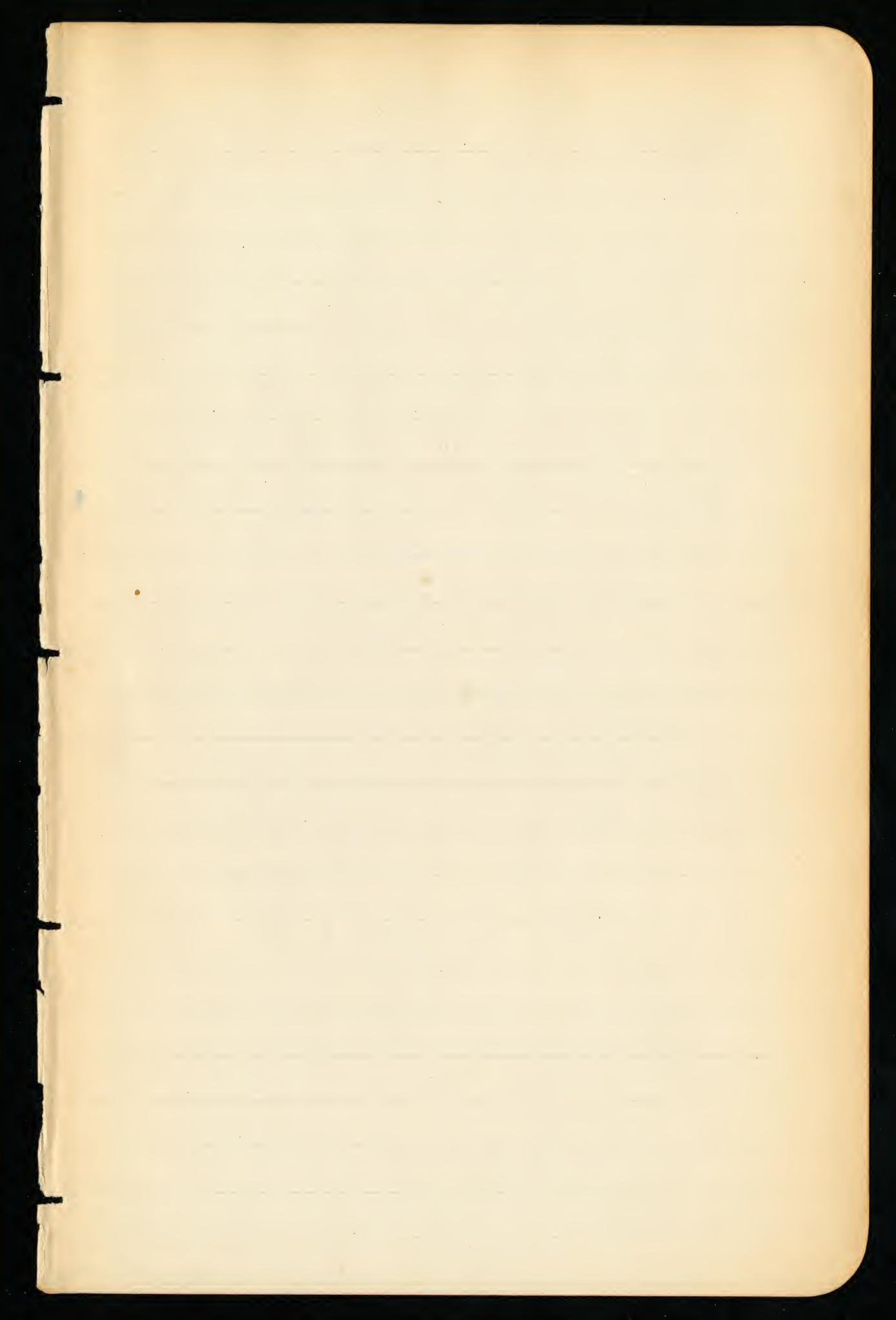


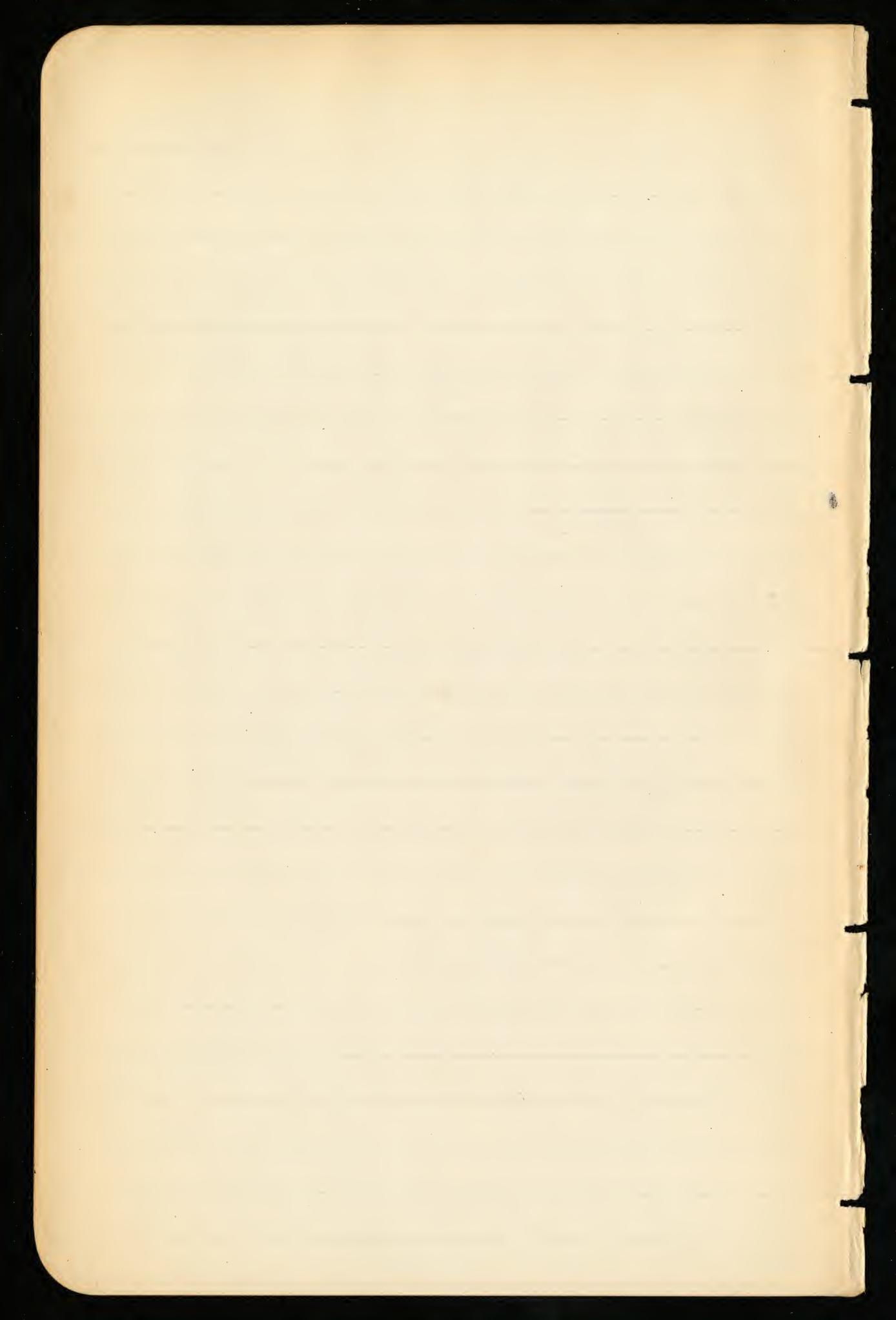
Saline (mittallie) scouleriana Loniera ciliosa No. 70/

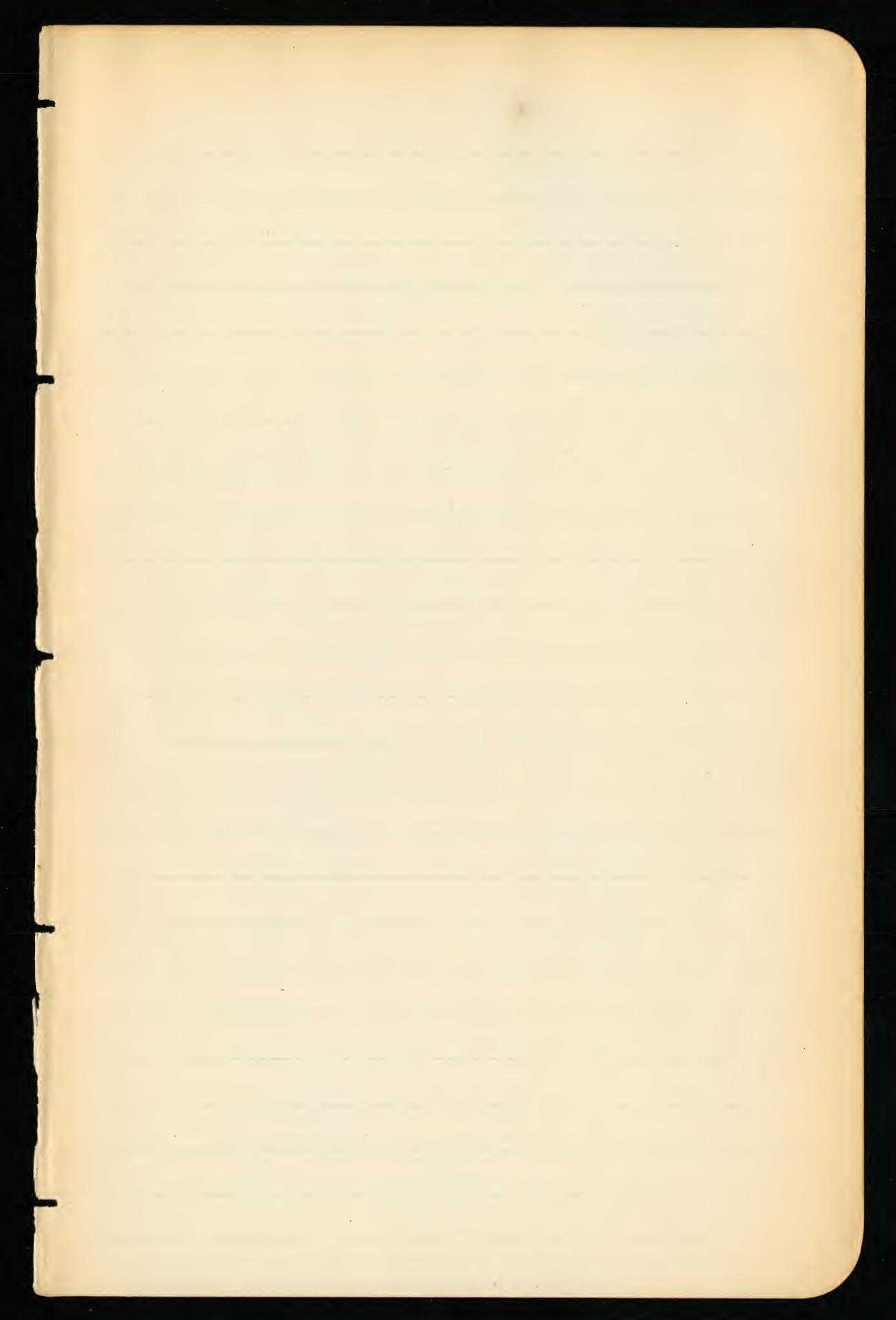


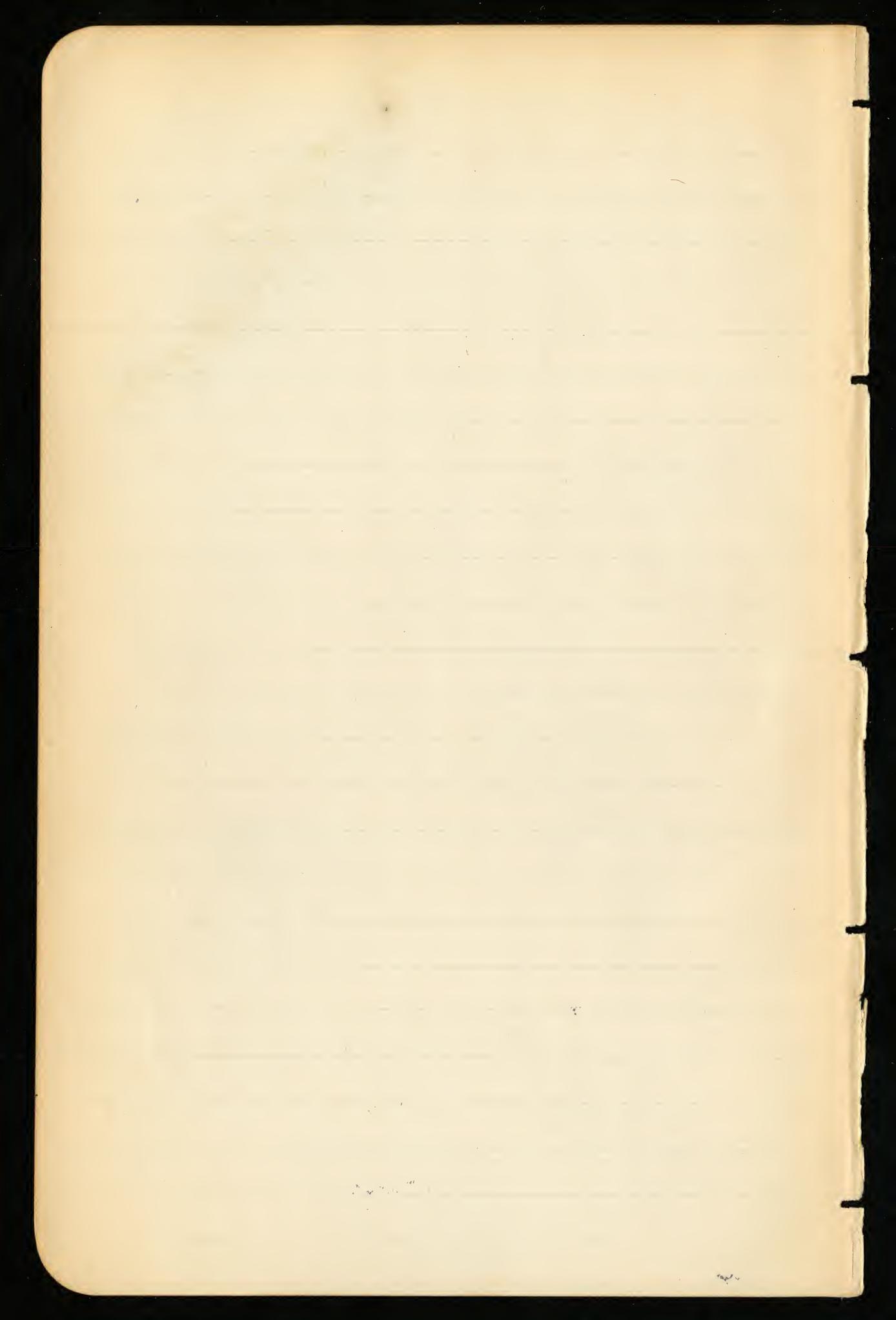




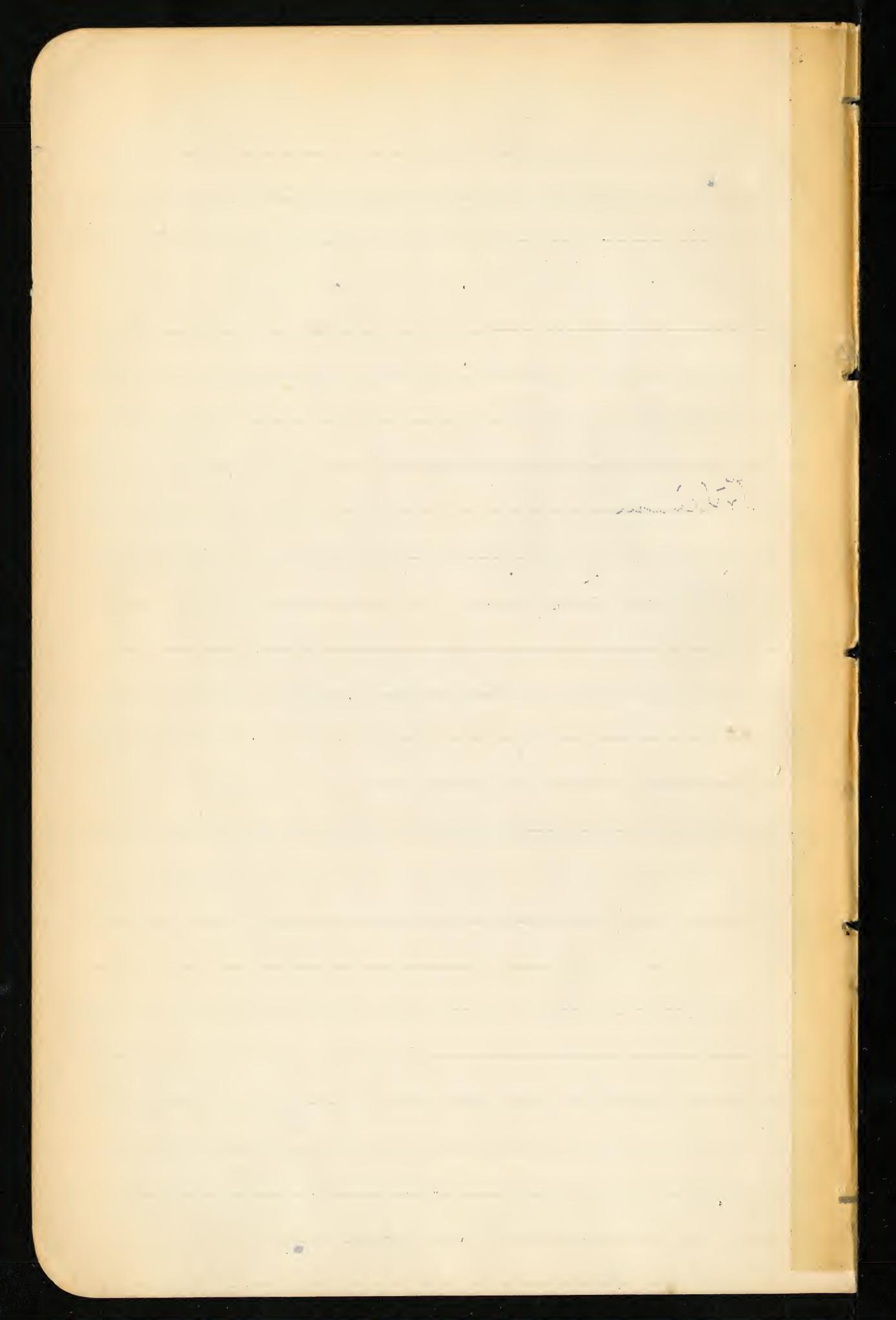


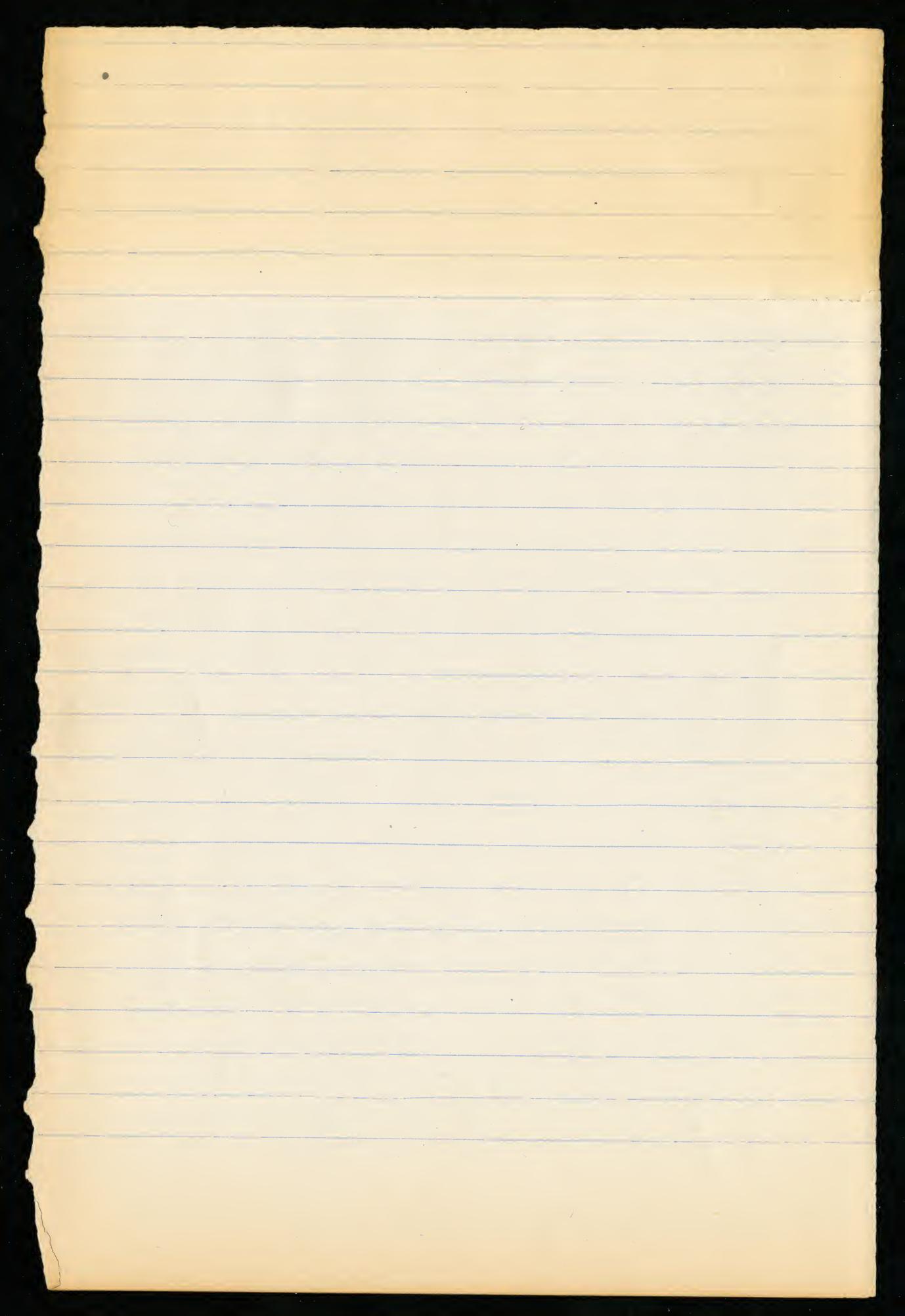




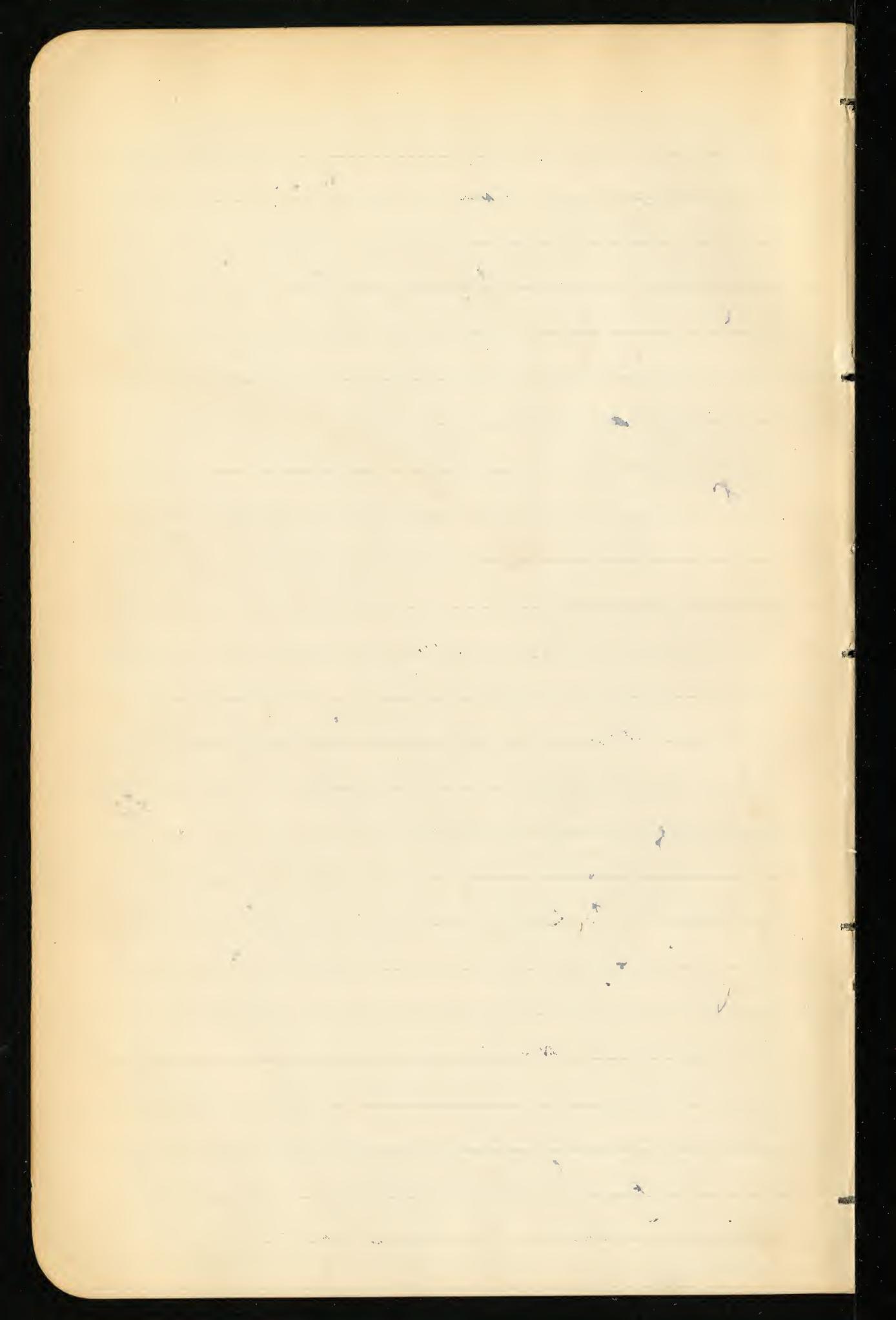


Camp at northeast corner of Lake Wherill. In the water of the lake arr. Ramuculus reptans, in flower Batachium in flower sparingly Polygonum amphibium Elevohens polistris around the lake are Populus trichocapa, fallen fruit hairy almes organa Salip (populoides) lasiandra .. (discolorordes) piperi Mo-751 .. longifolivides .. (velvetims) sitchensis No. 752 Lorus sargunes Spiraea donglassi, in flower Forest vegetation Jong a beterfulla Pseudotenga kuncronata Thy a plicata & Mostly near the lake au macoplyllum Cornes muttallie. Vaccinium farrifolium spring Rosa gymnocafa, with young for alex excinatum Bebris nevosa Dryopters munita? Ospalis in fruit.

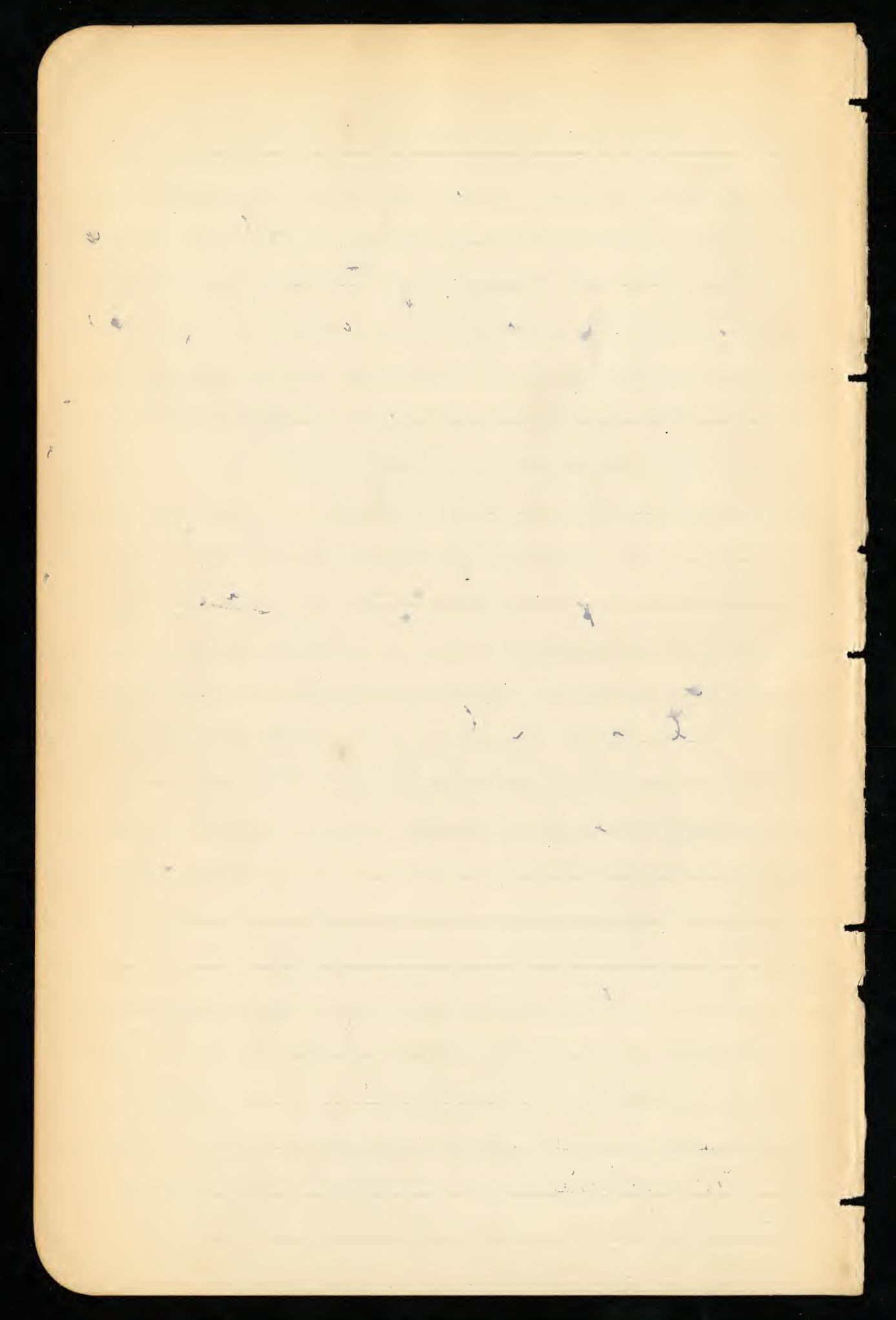




Rohlys triphylla. Leaf-texture y Jeffersonia. Januay frint Travella, in flower. Viola orbiculata! Clintonia uniflora, fait flowing Peanin Disporum past flowing Vognera simplep, Coptie in fruit Trillieum in fruit Pyrola Rubus vitifolius Bottom at north end flake, additionalte above. Limaea borralis Ly copodium Salons sambucifolia Corns canadersis, past flowering abiles amabilis Pedicularis vacantosa, beginning & flower. Vancouvia Grindflide sombellata, in flower Japus brinfolia Rhammes furshiana Adrandum fædatum Staptopne ampleptfolius., with young fruit Osmarona Crasiforno



Udenocaulon aruneus aruneus, past flowing Amelancher alnifolia Jollong a stram Hydolyllum Phegofieris Dryofteria Cletaca anemore Enfolia, past flowering r fedata Trientalis with young fruit. Vagnera paniculato Lomara Coralloluza Rubus spectabilis, along a straum, in fruit Sapifroga? altiseina ., mo flower Rubus pavifolius in flower in flower. Lilium columbianum in flower. Pachystima Santhera shallon .. ovatifolia Lufurius. Orctostophylos noa-noi. Pertetemon decumbers



Prims montieda At an elevation probably not 100 feet above the lake we came whom a gently sloping soil of volcanic diff the principal type of which Pinns murrayana, with a small adminter Prims montheala Psendotsuga muronda Tango betrophylla, the principal shruble aretost aphylos nevadensis; with considerate Vaccinium pavilalium, Chromophila umbellata, and i spots Saulthera shallon. West saw herr for first time Vacconium svembanaceum Wontiles deragglie from alma simata antennaria margartucea Hieracium albiflorum Kurnep acelosella Epilobum angustifolim Pyrola seamda. Gossing of the Kalama. Clong the Kalama allotopa

٠. 2 The state of the s · han - · · . 1/2 E Company of the Comp The state of the s 1 3.30 10 K. S. 1 1 -A CAN \* 4

Lupinus minimes Pentsternan abies lasiocorpa Base of Goat Mountain Obies nobilis Jerophyllum tenap Castelleja nemiata Slope of mount 8t Helens, on exposed lava Cryptogramma acrostichoides funterne nama Along a rivulet in Wis lasio copa, Prime monticola, Samburus leiosbernd, inearly fast flowering Trola glabella, hast flowering Agnilegia formosa, in flower. Arternisia Epilsbium in bud. Veronica of serfyllifolia Mynnelus lewisin? musky in bud Ondy ground 765 Calochortus Dubalgamis Collected Voly gomme Markey 766 Juneoides campestre Juneus parryi

Padystima myreintes Ptris agnilina languaza lles circumatum Vognera famenlata Tyda glabella. Chimafhila menziesin', under Abies nobelis. Pediendoris racemosa 

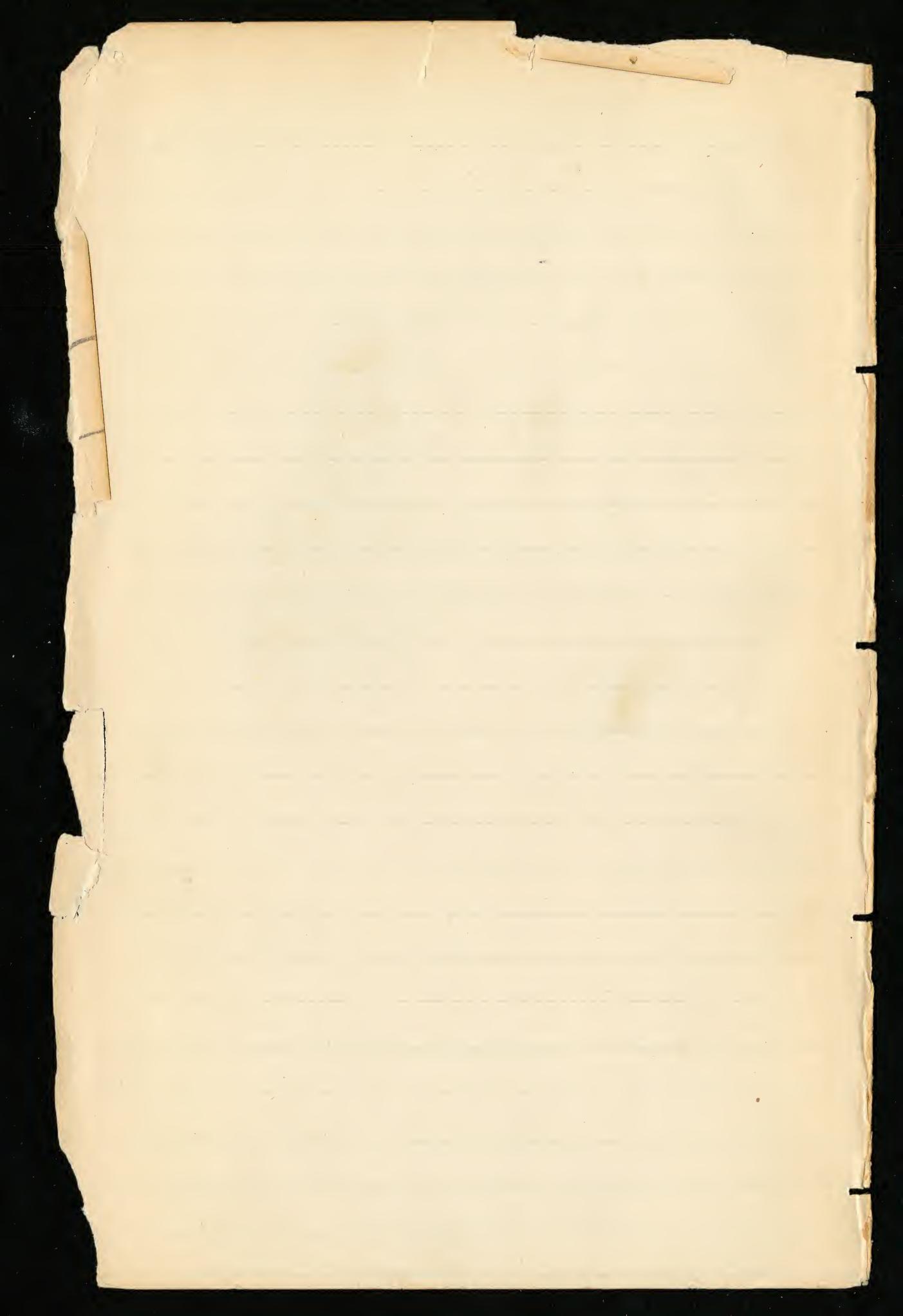
Encephalus Errogomm pyrolæfolium Fragana Luether fectionala Bryanthus empetriformis Near the lower camp. Corallorhiza Ribes bractersum

Of these the plant witht anding the greatest degree of andity is Enogonum pyrolaefolium.

July 19, 1898. Mount St. Helens Plants of the lava drift at timber line Encephalus, collected Errogomm hyrolaefolium Luhinus Szallir Grenz, collected yesterday 769 Polygonum Pal gonum Phlop diffusion sop languable. Juneus paryi Pencedaminalum angustatum (col) 5+ John 756 Castilleja crisquela Propie. 768 duettrea pectinata Pentstemon soverelatus mengini'-like, collectifyet. Achilles millefolium , collected . Elymus? Trietum? I prication (.) Richt collected 796 On rocky and somewhat moist slopes Lufinus Lerofshyllum Vaccinium membranaeum hours collected pecterday 7777

Mr. Johnson found Pulsatilla occidentalis

not like mengesii, coll. yei Pentstemon Spiraca abuscula Gilia mettalli arrica Ut base of rocks Phyllodoce gland emfetriformis 785 On rocks 782 Phyllodoce glanduliflara Junifens. mana Cryptogramma Oyyna Campanula Henchera with the two Phyllodoces, colle Lycopodium Also Heracium albiflynn Neitt. collected 805 Aspidim londutes antennaria media Greene collected 80,5 Form of abies lassocorpa near timber him some unes as follows: note natural trunk on who will side. This shows where shiding snow has broken of the bands



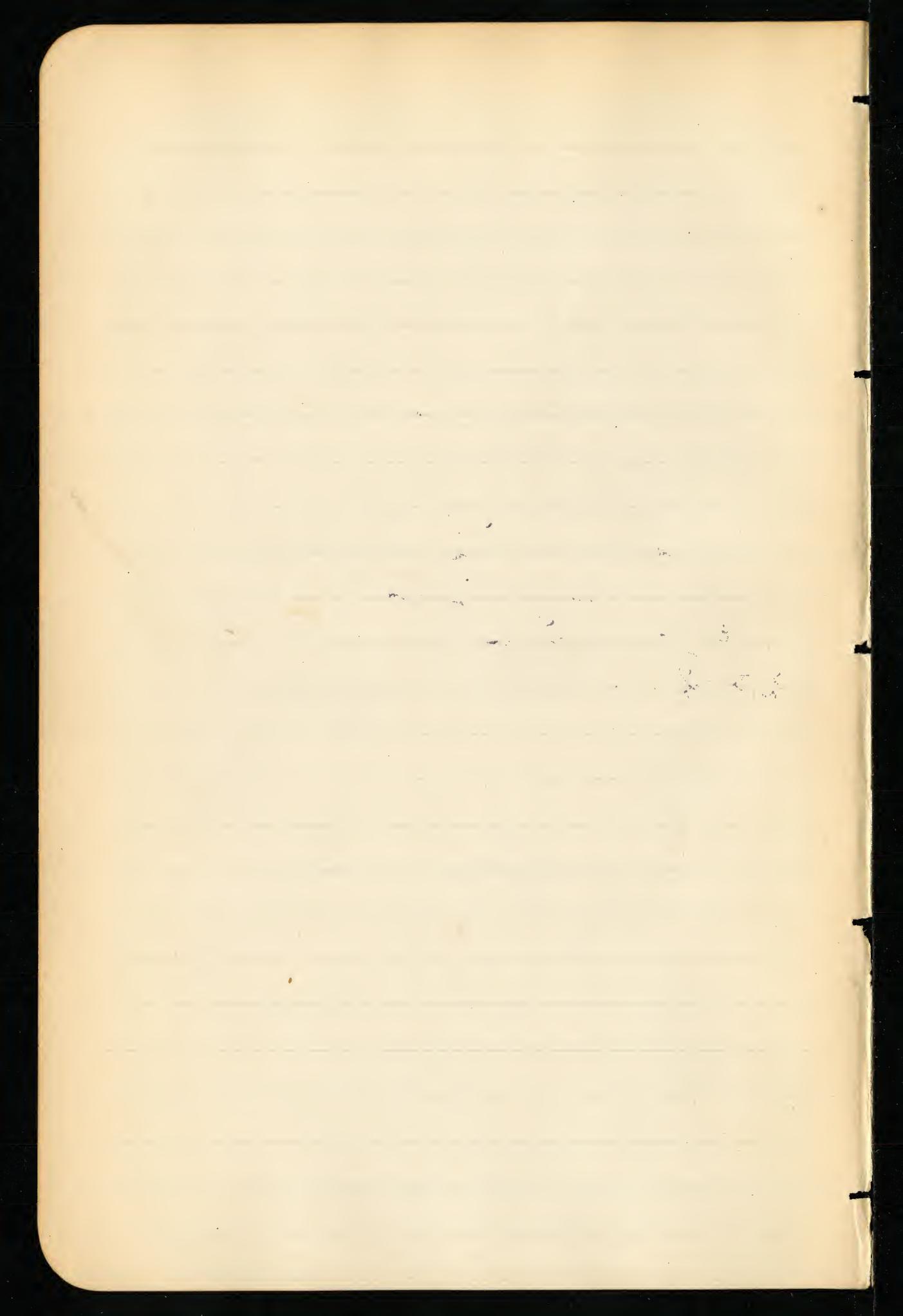
and then the characteristic lava. Lift vigetation of timber-line The showb going highest up is Phyllodoce empetriformis, and the next is Solbus occidentalis above timber-line, and above the love diff vegetation offine blants of many kinds might frow, but these sheltered rocky nooks are occupied Saptfoga tolmaei jand. The following wer seen above the limit of tree, in addition to those just mentioned in the agoseris aurantiacum, mit sun going of antennaria olfina Castillya Encephalus Unknown gross collected to-lay Elynne Cryptogramma Lather pectivota. relabilitain munabourel The tree opening at timber line abres hasiocopa, and

\* 

Pinus nurayana, while Pinus myontifada amfelose as almost to reach timber line. The facts that the flora of Works St. Helens is very space is doubtless due to the Honth, geologically speaking, of the mountain. 1. aridity of the soil 2. Instability of the soil and rocks, due to rapid 3. Sterility of the soil, and 4. Perhaps to the mability of the mountain to stock itself articlally greate during the glaeial period.

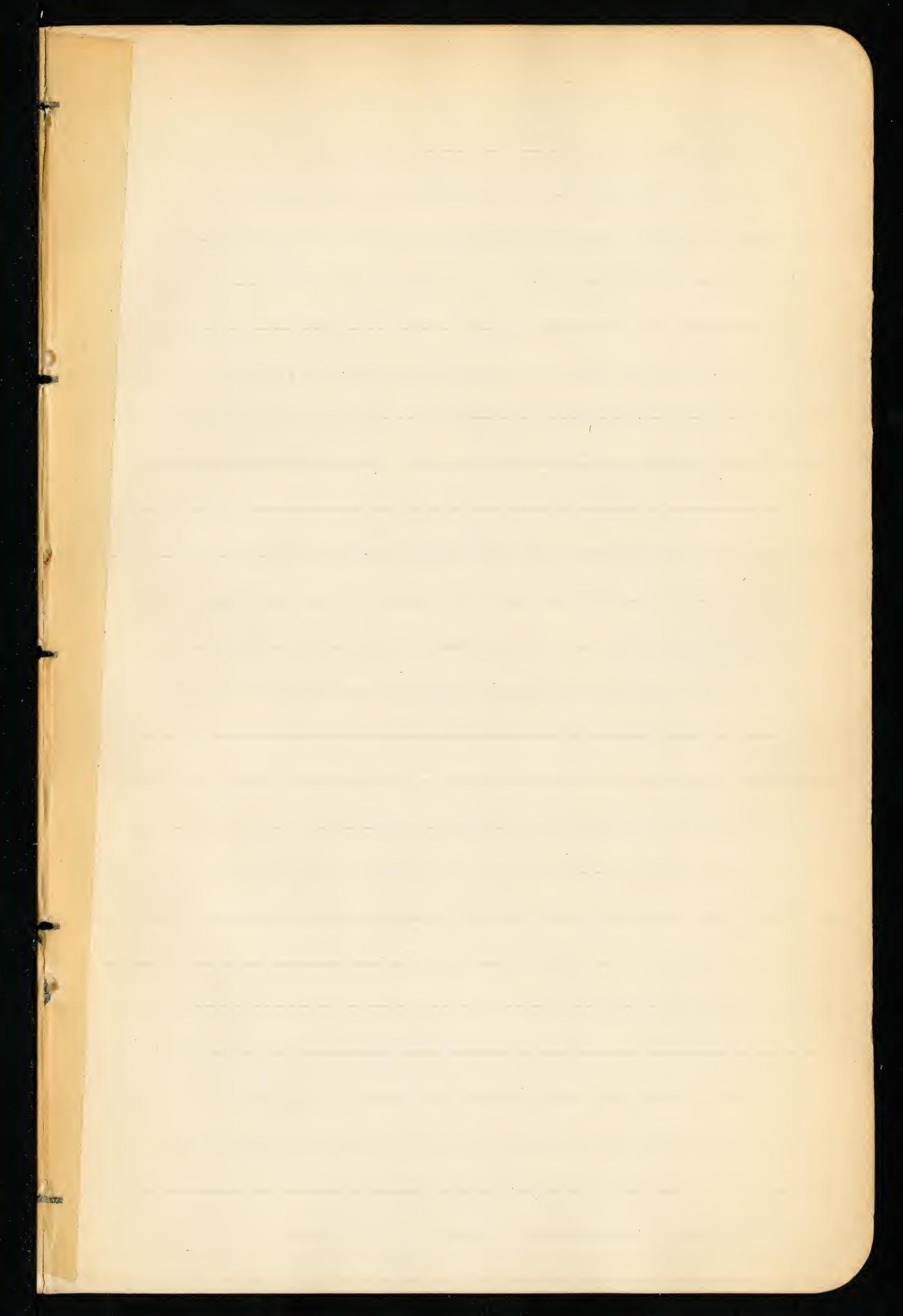
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Mount St. Helens, Skannanie by Wash. Made a tif up the mountain southeastward from There Brettes camp. Plants in general same as yesteday. The following ver seen highest: Enogonen pysolaefolium Spagnea unbellata funcus paryi. Dapsfraga tolmiser was also seen bigh uf. Achillea millefolium was seen atove timbs line abies nobilis was seen at timber line Visited a crag or butte about two or there miles from count, jutting out from the mountain near its base. The northeast Slope is covered with a vegetation driefly of Bhylodoce empetritornis, and the may therefore be called Heather Britte. On slopes having reached a considerability Considerable degree of stability and fed by a sufficient amount of snow water to keef the ground moist all summer, Luethea fectinata and Bryan Phyllodoca empetryomis take an early hold and the latter especially forms humans have shift to be followed by

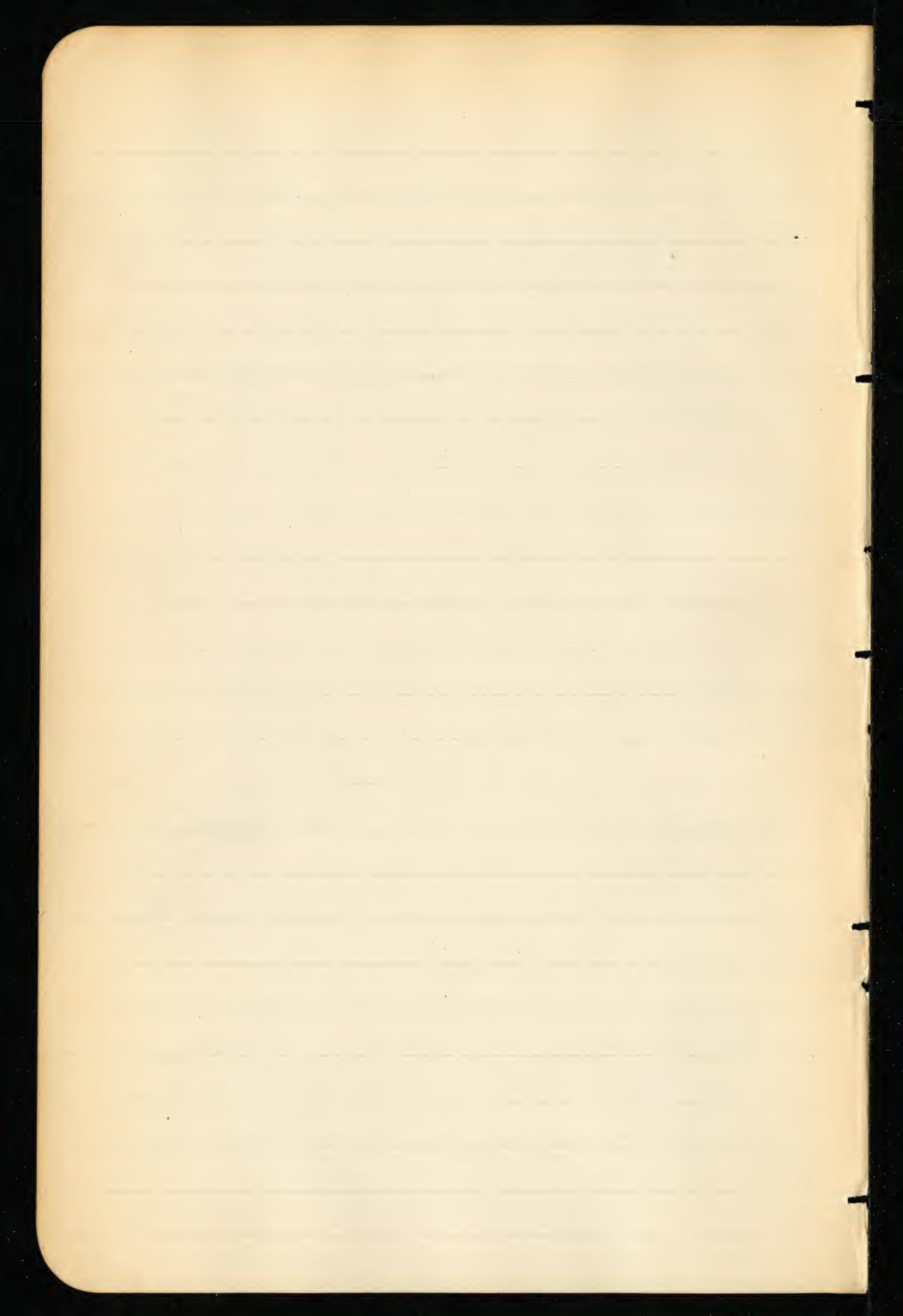


Kerofhyllum tenay Vaccinium munbranaceum, Sorbus occidentalis, and other should, if the elevation is not too high for them. This is the case on Keather Britle. a Lufine not seen beforr was collected and open shots of the heather here. On the way back to earny, at the base of the lava flows abies amabilis Unitonia millora 3 1/2 mehre from Engthromum, sometimes tip to tip of extended petalis.
Whis lasiocapa 8 ft. 3 /4 in circumfernces about 70 feet high and top hohen off of

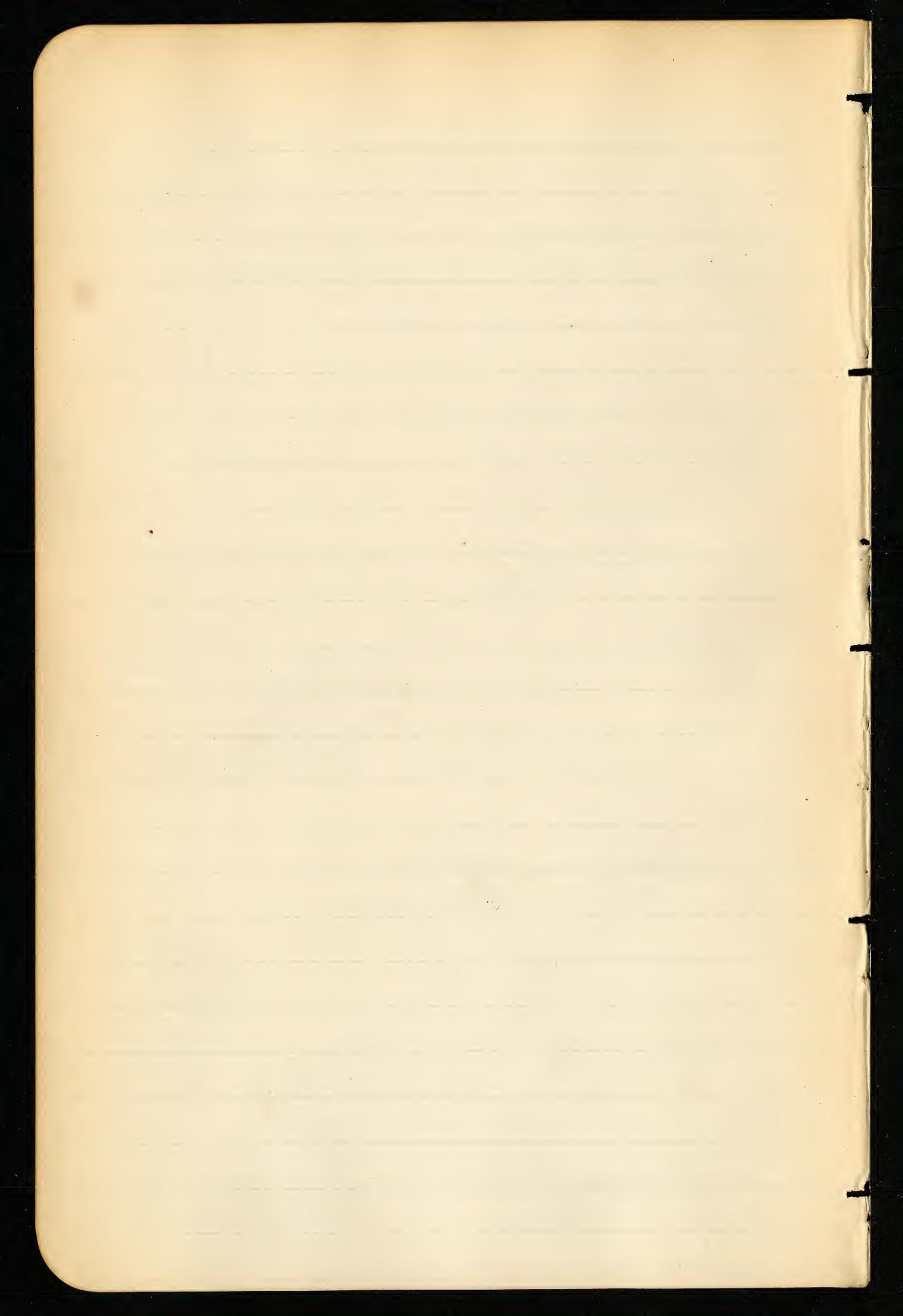
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July 27, 1/498. Salem, Oregon. Ur. Minto. This morning saw Mr. Whito and then hove over to Judge Walkis at Macleay. In the afternoon hove back, saw Captain Ornsby and Mr. Daveshort. Between Madeay and Salem saw the following trees and shrubs. Duercus garry ama
Psendotenga musomata
Acer massophyllum (planted?) Salip nuttaller Corglus californica Rosa procorpa Rosa macrotarfa Spiraea donglasii Holodiseus deriaefolius Cotaeque rivularis douglasin Formus organa Pyrus roularis Ceanothus songuneus, \$ only a little Rubus las rococcus .. vitifolius Oce circinatum amelanchie alrifolia



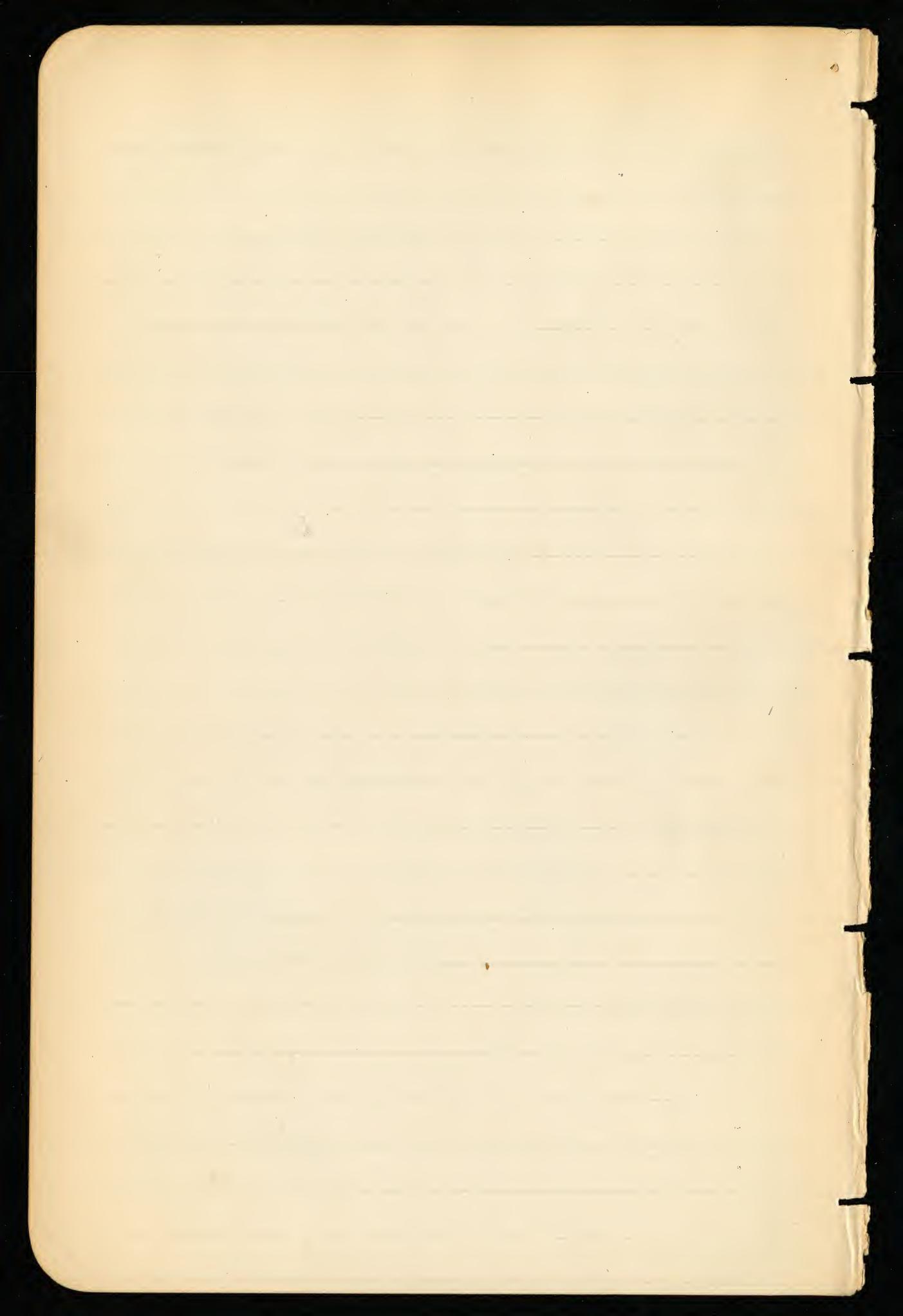
Rhammus purchiana. In Judge Waldo's lunckleberry fatch, eolleated Vaccinium Ot Salem stoffed at the Salem Hotel. Left at night for Engene.



July 28, (898. Engene, Organi engaged in buying a saddle horse and a The tree and should seen in the waterity of Engene are as follows. Prendstenga mucronata, commonest tre exelle Pinns fonderssa, alemadant nu places of Hierordis most alerendant to s Fragina organa, Populus trichocaspa, along strams Crotaegus douglain = rivularia Salip populifolia, along strams, large til Osmarona cerasiformis Spiraea douglassi Plus diversible, abundant Pours mollis Ocer circulation Philadelphine lewisi Rosa pirocapa, alamlant along roadsides. · maercacha, Sambnens glanca Besbris agnifolium Rubus lasioese ens

But the second

Many dead specimens of Enogonum pyrolae-tolium, their roots partially or wholly exposed. This on punice drift slopes, shorving unueval suface erssion. It least 1000 feet above the last trice, the veget above of the lower funcional lava drift slopes consisting of only Eriogonum fyrolaefolium Juneus panys Spraguea imbellata, med un occasional tuft of stoweless grave, I found the first Collonia debilis, collected, and Sarpifraga tolmiair, collected. 809 The plant growing next highest to the above Juncoides pavillarun The next are Lufinus minimos Polij gomin Agostris tieracium gracile Fragona collected to day. Carry spectabilis Dewen Corp alpina Pentsterne menjusii-like



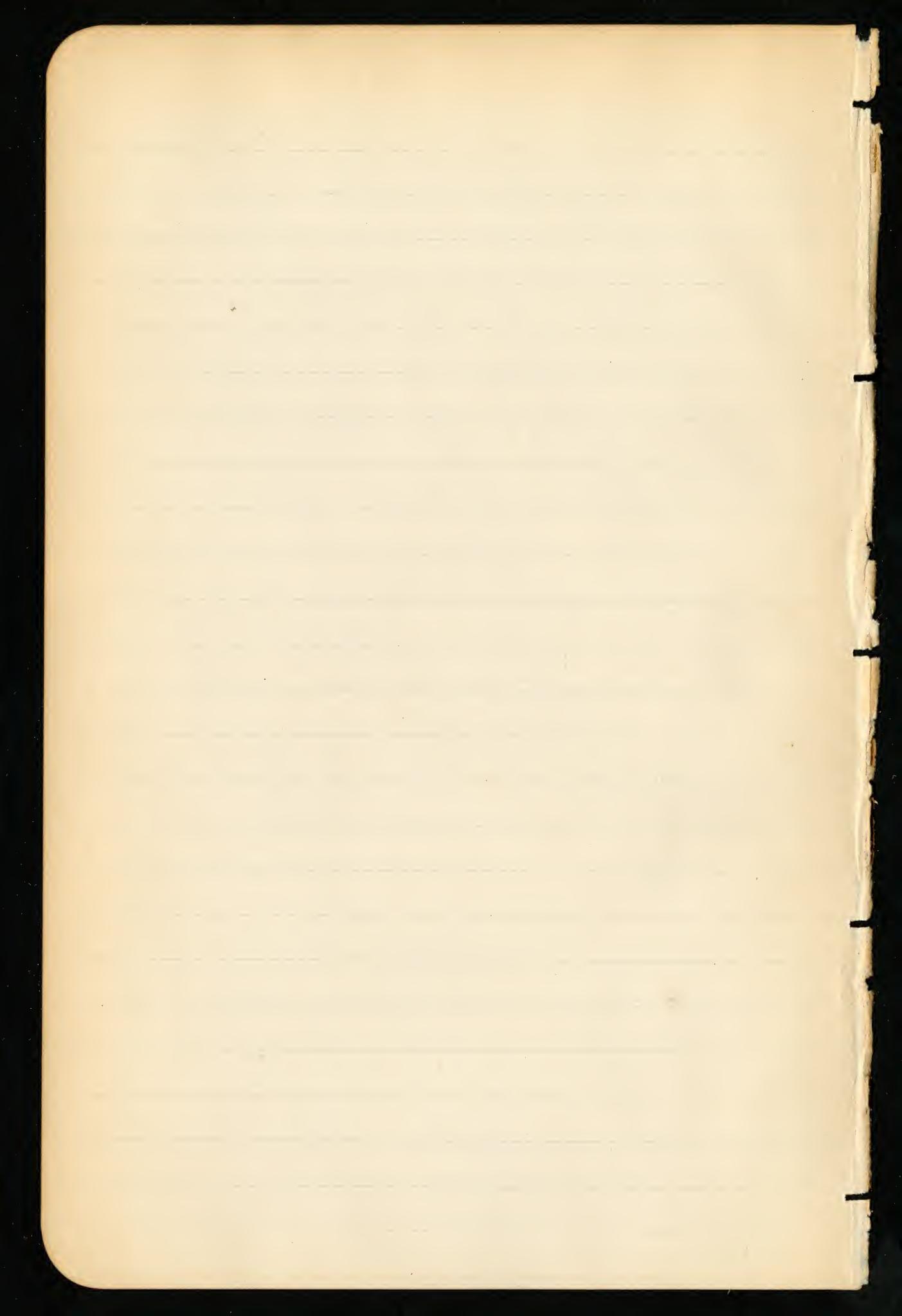
Rubus vitifolius, poobably. Holodiscus vaefolius Caroline Languere End Solie mutalla Coylus californien very Riles sangunum Rosa gymmverfin Phanne purchan Anelander alrefolia Riber atrefes Come enquire? Salip velve terris des cologorides, probably S. unttallie v something Symphonicapo Myra mulans Cenrothus curriatus

amos D. Ayland, two dozen cepies og the fir notice

Brobably mot 100 feet above English this morning. Stopped at MArghlands, twenty mules. San additional to trees and objects of pester day Opular Ulma obonjufolis Pyrone democra Ot and near the cemetry at Pleasant Hell Cytisus scoparus, escaped from the cemetry. Ot the Irret sawnill, four miles blow Makinghan Kles lobbie at the coursing of the Millermette, about a rule Idon Mr. Kight ands They waste Comme mottalle Japan Konfilia Gastansprint dengerflylla, 4m. x 12 ft.
I authoria skallon South skope of lille at Mr. Highlands party bors, with senting work and Donglas sprace, noth slope aersely worded with confere from. etally Donglas afrace.

The sleet broke seems on det burns when the area has been again seeded to timber, mustly red fir, very closely. The time may bee 100 or even 200 feet high after, 15 or 20 years. Arras of many acres, being very close, very slender, and very tall, after becoming weighted with anow and sleet in wenter begin to learn and finally with additional snow the whole mass goes down gradually. Make no loud noise. Common all about. Only on slope, and always fall down bill, time all killed

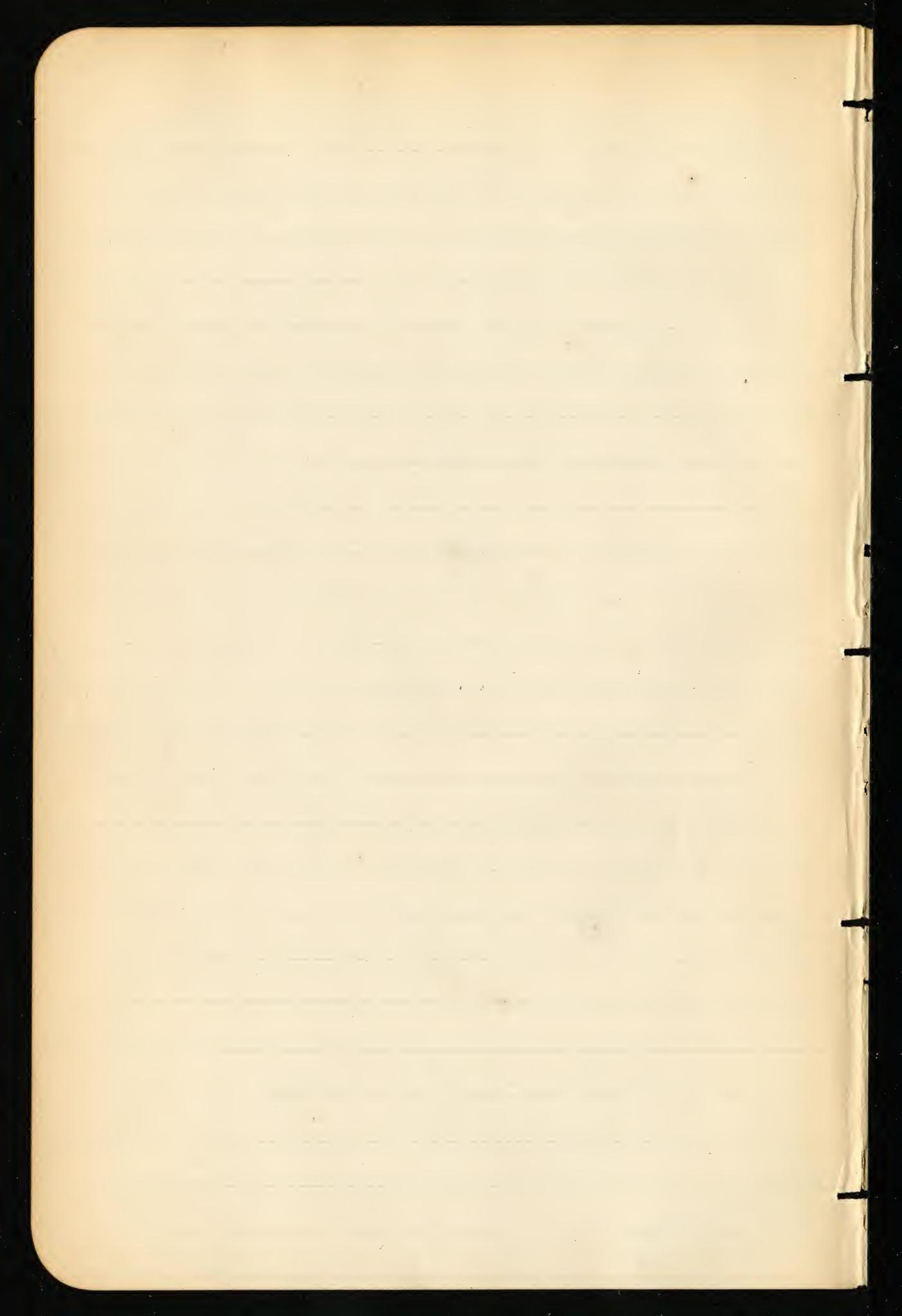
Came down to this place from funts Cove today frassing Permelia Lake at 4/00 feet and striking the Minto Trail at about 2500 ft. Detroit near Sate, Org., aug. 27, 1896. Came down from Detroit to day, and camped at Mr. Herriss, about a mile from Sates. Expect to start for Partland by sail &-mor-



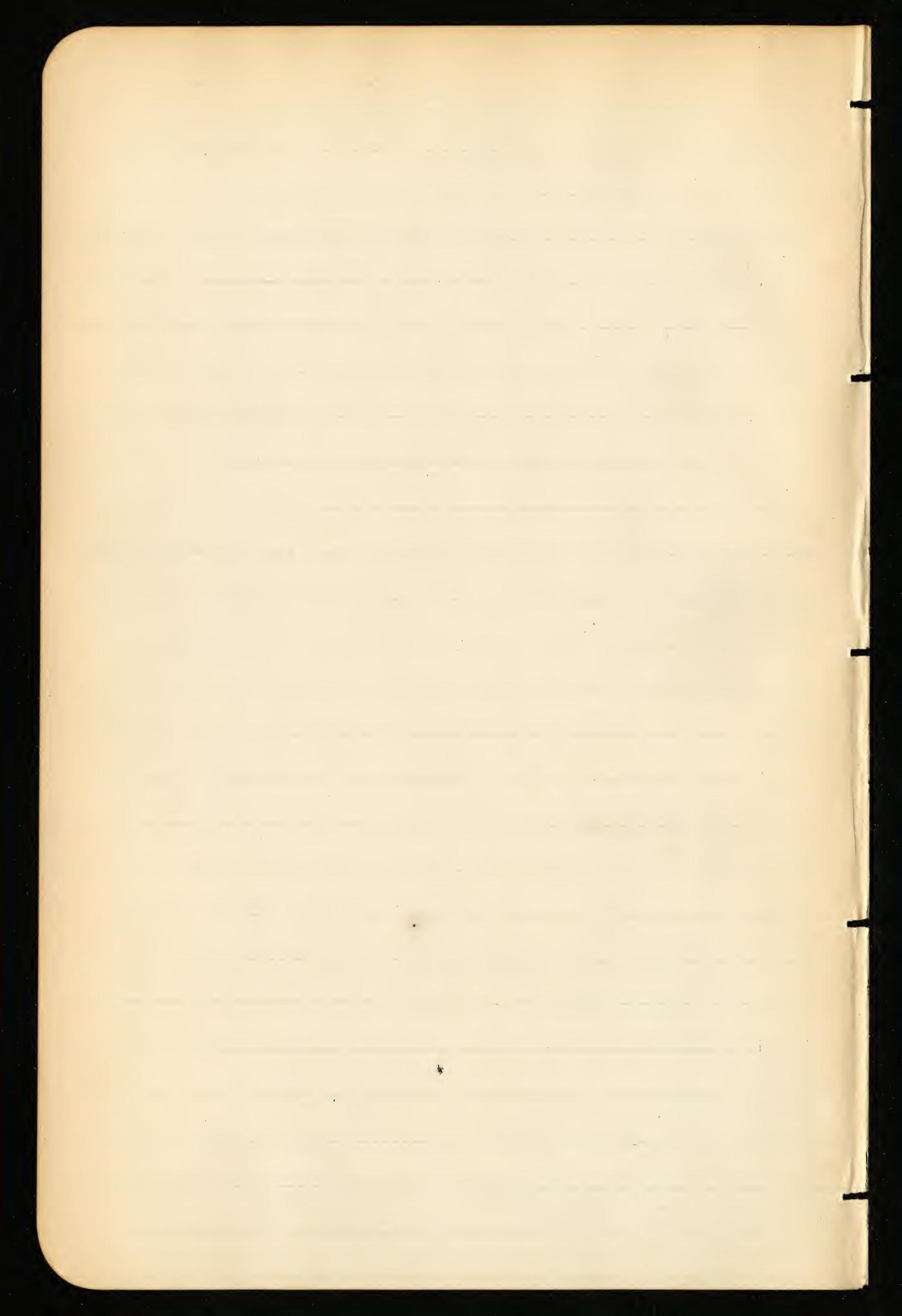
July 30, 1898. Left Mr. Aylands In the morning and stopped for bunch at Blakeley's (now occupied by Mr. Wilhelm), 12 miles. In the afternoon went on to Hazeldell post-office, 14 miles further. Found the two applegates their avoniting me. In the formorn saw the following trees and should. Psendotenga muevinta Thuja plictata Trins fondvosa Liboredus decunyung very little Ville macophyllum V Trapus brivifalila v fragenne organa Luciens gangana 2 to 16 in. diam. +30 to 40 ft high not V Salie populitolia, along the now only Populus trichocarpa, in the bottoms Khamma pushiana Cratagus rivularis Abrès grandis Vrums mollis L'astanopsis chrysophylla Valuus organa 1 .. oblongsfolia Comes mittalli Salip mittalli 1 Samburus glanca

Cytisus seofraires, escaped Ribes lobbii I Saultheria shallon, abruslant. Louisera rosea - hisfida

Demaronia cerasiformis I Rhus diversitaba, 30 to 50 ft high on Pseudotsuga 1 acer circumatum V Philadelphus lervisii Rosa macrocafa 1 . gymnrcafa Bebeis aguifolium 1 Rubus lasiococcus vitifolius Holodiscus ariaefolius Ceanothus sanguineus 1 .. integerienus Vaccinium farvifolium 1 Rubus paroflorus Robinia frendacacia, one tir by the roadside, I Isnga heterophylla, accassonal Leanothus velutions I Corylus californica, the most abundant undebrush 1 Kibes sanguinem 1 Amelancher alitolia Ribes atrifes I Salie velvetims I Symphonicapos 1 Ofmaster



July 31, 1894. Hazeldell, Lane Co., Dryon. Stayed in camp in the morning. Went down to Mr. McClane's in the afternoon. ang.1, 1898 Argh Prairie comp. Went from Hazeldell up to Kitson Shring in the formoon, 6 miles and return. In the afternoon broke camp and started for brasshopper mountain, camping at the east end 1 High Prairie, 8 miles. Elevation of High Prairie about 2500 feet South Court august 2, 1498. Went from High Prairie over into the North Forte (of the Middle Fork of the Willamette) valley and camped at Lowell Camp, foot of Grashopper Mountain. Varied in elevation from about 2500 fut at High Prairie to 3000 feet at the Divide, and 2500 feet at Lowell Camp. Travell about 18 miles. Broch Meadow, Aug - 3, 1896. Went up brashopher Wount ain and return, about 8 mil First tribese ridge 3500 ft, lower edge of the bald 4500 feet, summit of the bald 5500 ft.



Brock Meadowif (1+9+. Traveled about & miles up the North Joke bottom and return, reaching an elevation of about 2 800 feet. I myself stayed all night at a Grasshoffer Mountain, aug. 5. Came up from court to the mountain this moning, about 3 miles, Made a trip on foot over the east to the morth slope. Camp two miles west of Juinn Meadows, August 6.

Came over from Grasshoffer Mountain to-day,
about 12 miles. Eag between Grasshoffer Mountain

Box Clary on Swamp 3800 feet. Juin Weadows 4600

Moved our to this place and furing Meadows, August 7. Stayed near comp all day, botaming and writing up notes.

J.C. Brattain

Reached this place from Junion Mendows to-Lay, about 17 miles. Reached this place from Brook Meadow to - day, about 18 miles Lowell (Hylands) August 10, 1896.
Reached this place from High Prairie to - Lay, about 30 miles Reached this place from Lowell to-day, about 15 miles, and camped at Mr. Brattonis form, about half a mile east of the city. Springfield, August 12, 1898. Spent the day purchasing horses. Springfield, august 13, 1498.

Spent the day completing preparations for our stat. Left Springfield at 2 P. M. and came to this point, 16 miles.

Reached this fount from andream Station to day, 20 miles. miles. Came from Flychoff Station to-day, about 20 miles. Foley 8 pringet ang. 17, 1895. ascended the mountain back of Faley Springs, following the ridge east of the tail on the way up, the trail coming down. Foley Springs 1600 feet. Change from Donylas sprice & black hemlock 4000 \$ 4500 fæt. Summit of mountain (Horse Pastur) 3500 A. Lost River Station (Wards rand) Dry. Aug 18, 1846.

Came up from Foley Springs in the afternoon,
about 14 miles. West Mrs. a. S. Powers of McKengie Bridge. Lobot River Station about 2500 ft. Cold 8 pring, Good Co. Dorg, Aug. 19, 1898. Reached her from Lost Rine Station to-Lay, 27 miles.

Black hernlocks 4500; shoulds & summet \$700;

summit 5000. Cold Spring 3400.

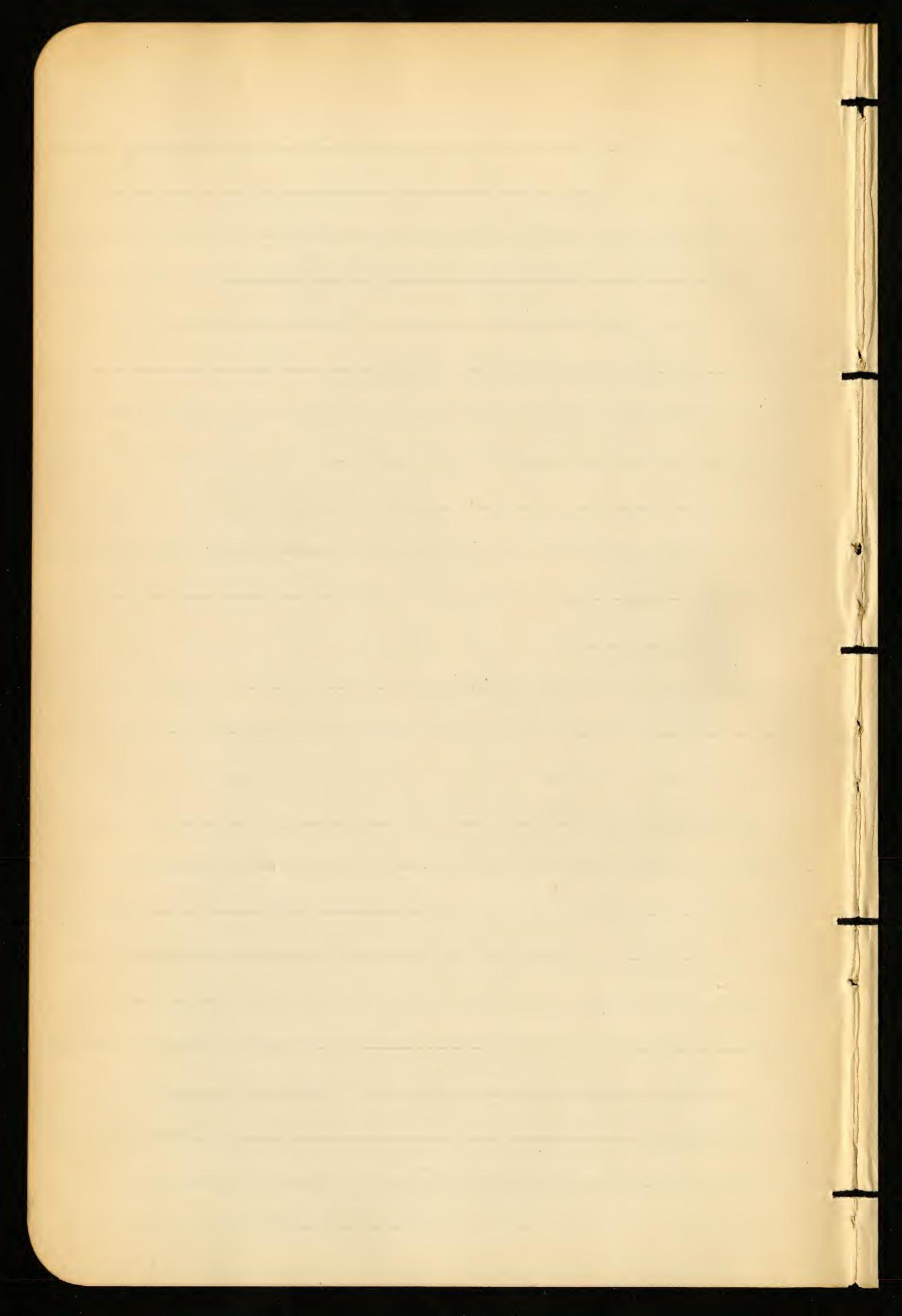
In Clear Lake trees weasoned respectively 35 feet, the top ending 6ft. below the surface; and 34 feet, the top ending 1/2 feet below the surface. Stumps on the sand beach measured 14 sinches, with 130 mind rings; and 27/2 inches, with 243 rings. No exit stumps above surface. Besides plants collected and noted in shute, Shirogyan found fright gran mate in smaller or larger areas on the bottom.

Grahamis ranch Aug. 20, 1898. Went from Cold Spring to Sisters P.O., and then up to Grahamis, about 11 mules. Fish Lake August 21, 1898. Came over from Graham's to Fish Lake, 24 miles, brundning at Big Lake. Grahamis 3400 fut. Pinns murayana coming in at 3800, black hemboch and blue fir at 4200. Sum mit about 4500. Beginning y solid Psendotsugus en mest slope 4000. Yellow fines accasional at 3700. Fish Lake 3400. August 22, 1898 Hensley Meadows, In the morning went to Clear Lake 21/2 miles, and setur. In the afternoon went from Fish Lake to. this point, accompanied by Mr. E. Henness, Sates, dry. Distance in afternoon 12 miles. at 3800 feet passed through a dry area covered by Prime numayana, but at the same elevation struck anto the magnificent heavy forst ag ann. Elevation of Hensley Weadows 3700.

The Metaliae Frail, an old trail, originally an Indian trail, connecting the Indian settlements on the Warm Springs Indian Reservation with the Winto Frail at a paint the west end of Marion Lake. It is gother now partly blazed, in The trail the roots which has a gother about fine since south y Mount Jeffraon, at an elevation of about 6000 feet.

Came through the woods without trail from Hensley Meadows and struck the Manto Trail on the south margin of the Lake. Distance about 12 miles. Most of the journey through lossfole fine minged with black hemlock and selver fine. Elevation of ann Lake 4100 fut.

Pornt om Metolias Trail, about /2 mile west of semment, Aug 24, 1898. In the formor started out eastword on the Minto Frail and just before reaching Island Lake took the left hand trail. Up to 5500 et, Pinus municipa abies lasiocofa, and a. amab ilis, with ossasional a. mobilis; and Prime albicarly above on sheltered west slopes, where snow was evidently havy, P. murray and disappeard, and Tenga metensiana became mor abundant. At our norning-place, 5800 ft., the forst consisted y black herolook with considerable abies amabilis, with an underbrush of Vaccinium eispitoides, Cossiópe , Phyllodore empet-riformis, Sabus parvifolia, Vaccinium membonnacem, and a grat abundance of Luethera In the afternoon looked over the country to the



north along the Cassade divide as far as Hunt's Cove and return, on foot. About 6 miles by horse

Hunte Cove, Marion County, Dry, Aug. 25, 1994.

Came over to this point, about 4 miles, to-day,
and camped at the uphrmost meadow waterd
by springs. Examined the lateral divides to
the westward, overlooking Bringham Basin and
briggly Basin, Minto Mountain lying between.
The trinby on all these divides is badly baned,
forobably there-fourths being gone.

Hunts Cove, august 26, 1898.

Made the ascent of mount Jefferson to-day.

Elevation of camp 5500 ft. The trimber up the lower slopes of Mount Jefferson consists chiefly of Jengs meetensiana, with some abies amabilis, and an occasional abies lasiveapa. At 7000 feet Jenga metensiana ceased, the remaining trees being Prima albicardis and abies lasiveapa.

The plants obove this point wer.

Junteres mana
Lufinns
Polygonne newboyi:
Pencedame martindalei
Luethea fectivata.

above timbeline occurred those maked with a V (list rucomplete). above 9000 pet occurred Hulsea mana Santfraga tolmæsi Oxyria digyna Summet of the mountain below the Dah rock, which was not climbed 10200 fut.

Enoyonum pyrolaefolium Sitamon sitamon Phyllodoce empetriformis .. glanduliflora. Unternaria fincoides glabratum Vaccinin scoparini Ventstemon davidsoni. Carry finispicata) Mary brown. Saufraga tolmai Aulsea Ougra digyna. Insetum Cardanine pachyfrhylla. Eriogonium, small, shubby, jellow. Juneus paryi. aster (prosumbins Vacconin (desprotorides) fundes pavillamen Spragner umbellata Heracum gravili Juncus subtriflows Trimberline was at \$100 pert, the ties consisting of Pinns albicaulis.

Herde in Hunte Cove, D. M. Shafer, States, Dry.

- - -

mostly "fir" Wanglas spruce, "sel cedar; (Thya plicata), white cedar" (Lipo cedrus decumens), oak, maple, ash; no yellow fine, dogwood, mill capacity 20,000 for day; yearly cut about 2,000,000 ft. bom. Trist cause of fire is carleseness of camples, including towarders and lunter, I starting brush", in making brush", in making "Sleet brake" of the "fir" tries. Exemetimes bound for clearings. Make "awfulest fire. Free 200 ft. high, many acre godown. Jumbering operations. Brush accordentally fired after timber is out. Firs chiefly on south sides I hills, Indians first the foot-hills up to the year. The first burned chiefly the south slopes and belt the timber hade. Now coming in Thish mostly "ord fie", a little white firs, some a hundred feet high.

Elmer I. Applegate. Fred L. Applegate.

In the afternoon ease those checked thus i, with the following additional arctostaphylos, one at Hoyalell bridge Rododendon californicum

Ribes mengiesii

Ceanothus cureatus, one shoub seen.

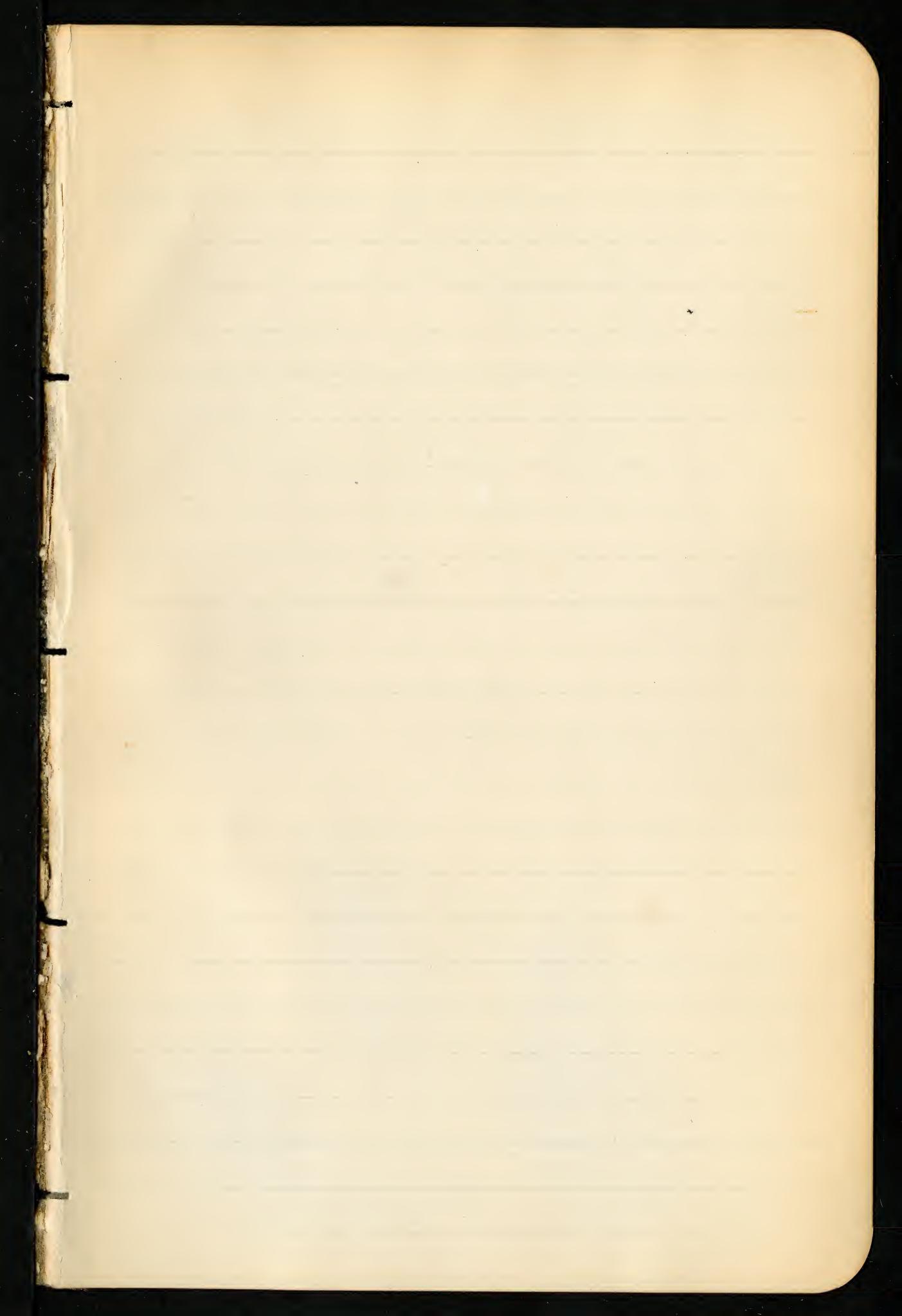
Spirala douglasii

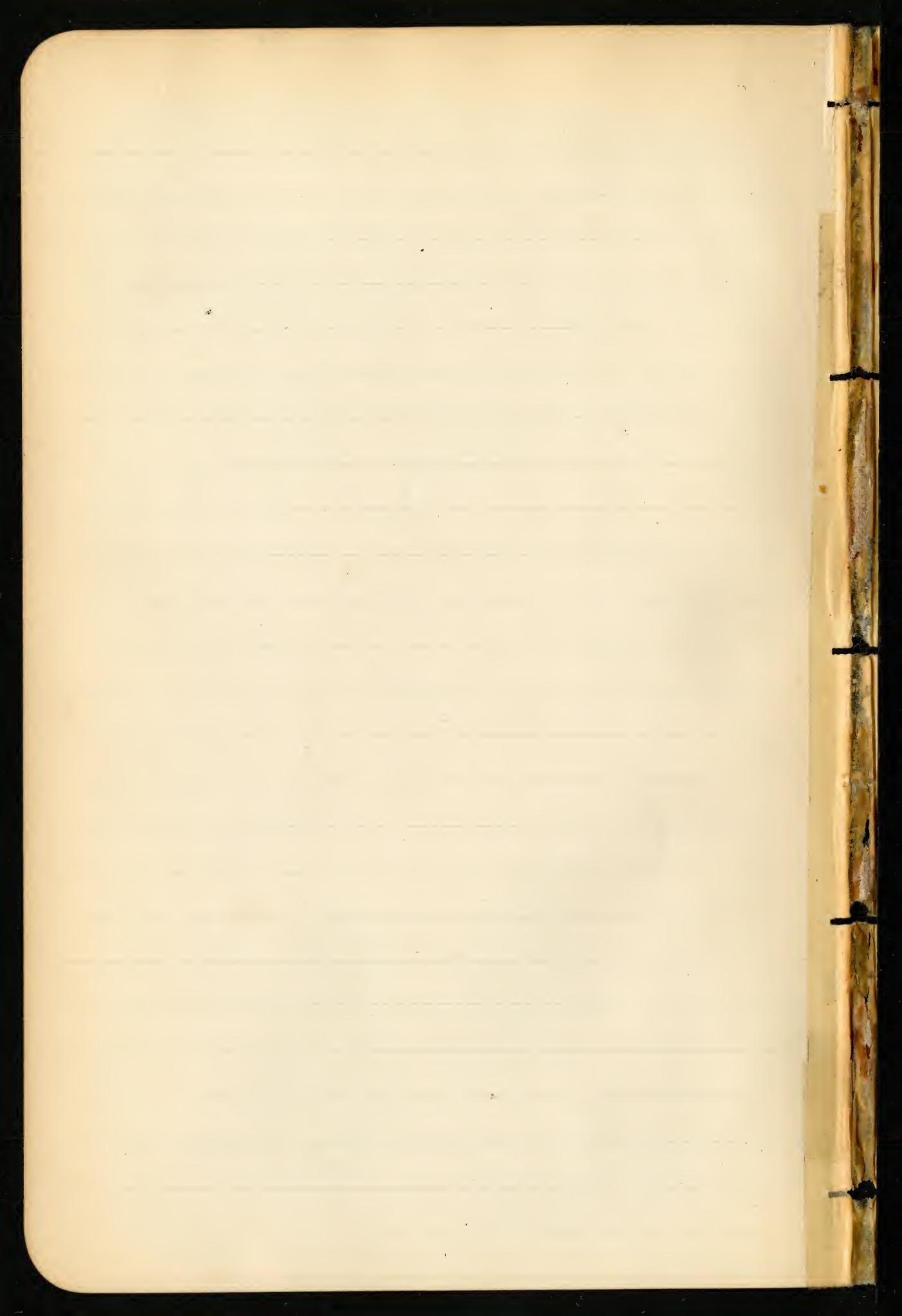
Salip discoloroides, as at Lake Whill

Primes pondrosa was found only in the vaccinty

y Hazeldell, with great quantities of Lureus garryona,
on and about the bold south slopes.

Pachystima myrimites was probably even in our place

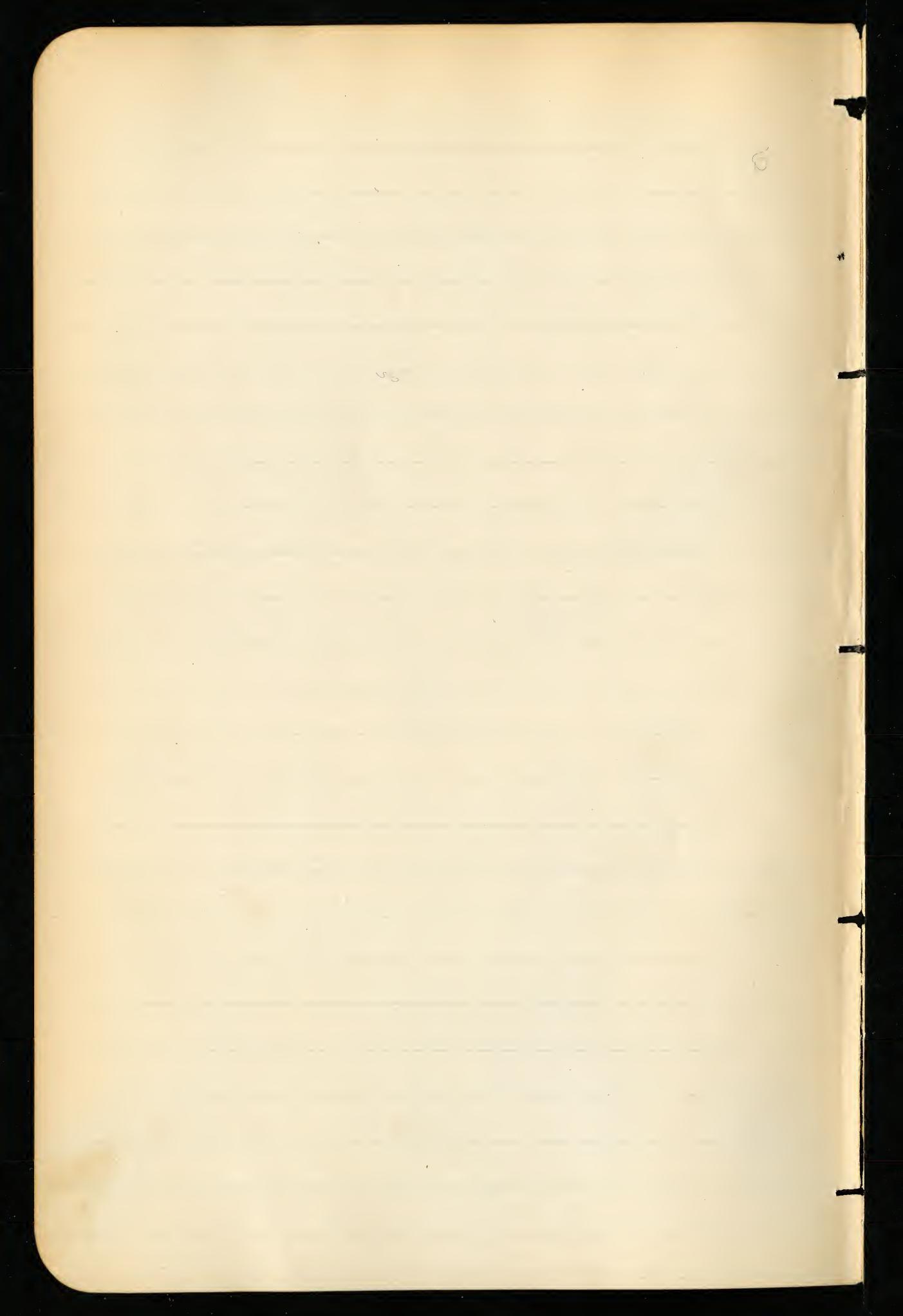




Hood River, Sept. 5, 1898. Came up from Portland by rail to-day, amoing about elever o'clock. In the afternoon took at short transf near town with the Hon. E. L. Smith. along the now bottoms are Populus trehoenfa Gataegus donglasii. Psendotenga mucronata. Salie populifolia Salip fluviatilis Frapinus organa On the slopes, which are faitly ofen, are duecus gangana Prime ponders a Solie mettalli Phris diversiloba Kungin tidentata. amelanchie almisolia Philadelphus lewisii Symphoricafos Corylus californica Berbers agnifolium. Holodiscus ariaetolius. Rubus vitifolius. Prums mollie, as well as Crataegns donglasii.

Above the black herwlock timber on Mount Hood found the following: art. = above timberhine Pinne albicaulis Sobre occidentalis . subtiflores Janipane maria Pencedamun matindalei · metersiams Minulus lewisii Encephalus Polemornium Solidayo Lufinhis bysllie a.t. Polyyoum davisiae Enogonem unbellatund arriana acte procumbers Serverio triangulario Chrysothamulie bloomeri Silene Carrie misfiesta Festura Phlop douglagin Treetum subspicatum Saraifraga tolmiaci a.t. Carro brever alfring Achillea millefolium a.t. In the upper edge of I mus albicarlie on the south ast Louisea modurata slove were Spragues umbellata a.t. Junious harry Poa Colochortus maina Phaeelia antennaria alfina Penteterron davidsonii agrostis Sitamion a.t. Careportana

Cloud Cap Im, Dorgon Sept. 6, 1898. Camp up from Hord River to-day with Miss Florence Merriam and Mr. A.J. Johnson. Country bally burned, one fire now burning east I the East Fake. east of the East Fork. at about 4000 fut Douglas fir forest changed to Prime munyana, which with a mistur, vaging in abundance, of abies comedor, Abris amabilis, Tonga For mertensinna und other trees mentioned in notes. at about 5500 forst changed to a growth of francifally black hemical, and at about 6000? to agrowth principally of white baked fine. White River bottom, Organ, Sept. 7, 1898. With Douglas Langille chambed the Cooper Shur of Mount Hood; crossed the East Fale glacier, beseended the ridge Netruem the waters of Hood River and White River, descended the Hood River side of the forested divide between the two rivers, crossed over this divide to the sandy bottom of Marite River and here traveled lown the bottom to a forest fire about a suite below the point where the river turns to the south. Here we camped in the woods, surrounded by the forest fire. Readings Coh Imm 6000 Finduline n.c. 7100 Comp. 4000



Came up White River bottom on the old Indian trail, crossed the ridge between White River and Salmon River at about timber line, descended the road to Summit Prairie, and then went the box box the old Balow Road to Soverment Camp.

Downwent Caruf, Mt. Hood, Dry, Sept. 9, 1896.

On moitation of C. W. Haight, forset ranger, accompanied him and F. H. Wakefield, another forast ranger, both of The Dalles, to a fir man the Balow road about two or three miles east of Summit Prairie. Returned to Bovernment Camp.

Cloud Caf Inn, Mount Hood, Org., Sept. 10, 1898.

Let Government Camp at 6:30 A.M., assembled the southwestope of net. Hood and come down the northeast clope, arriving at Cloud Caf Inn at # 2:50.

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Fores and should. amabilis Betula glandulosa Cassiohe accidentalis Castanofisis chrysofolylla concolor grandis lasiocafa lineata ... robilis Ceanothus currentus .. condulatus shastenes .. integerinus .. frostratus circinatum . glabrum .. sanguineus .. velutions . mac, ophyllum Ulme oblongifolia Celtis Cercocarfus betulvides .. orrgana .. sirmata .. ledifolius Chamacopharis nootkatensis .. terrufolia Unelanduer almisolia Chrysothamms albicanlis · pallida .. bloomen Arctostaphylos arborra ... bourneus . donglasii .. nevadensis ·· pallian Corrus muttalli ·· fraticla .. pubescens ·· uva-nsi .. sanguneus arbeites mengreen Conglus californica Ortenisia arteriscula Crataegus .. carra Cytisus scoparius .. trideritata Desbere agrifolium Echinofanap horridum Eriodiety on californicum

Phyllodoce empetriformis Errogorum stellatum .. umbellatum .. glanduliflora Fraginus oregana Viela engelnami Trus albicanlis Darrya fremontii .. attennata Saultheria myssinetis .. lambertiana . ovatifolia .. shallon " monticola .. semmayana Holodiscus ariaefolius .. fondessa .. discolor Volygomm shastence Juntures vana .. oecidentalis Topulus trimulaides .. trichocorpa Kalmin glanca Kunzia tridentata Trums demissa Laris occidentalis .. Imaginata Libocedus decurrens .. molles Lonicera ciliosa « subcordata Psendotenga mincronata .. corgugiales .. edulis Pyrus noularis .. hisfida Lurens chrysolefis .. gangana .. involuerata .. kelloggii Menzicia ferriginea Opulaster capitatus Phanus alrifolia Vernavonia cerasiformis Pachystima myrsinites ·· purshiana Rhododendon albiflorgyn Rhododendon californicum Philadelphus levrsii Thlop douglasii

Rubus senhervirens Rubus spectabilis Rhus diversiloba .. glaba .. vitifolius .. trilobata Salie barclayi ambignum dis coloroides atrifies bractessum « longifolia mitallii " fopulifolia Canonieum cerum glabrum ergitaro eafum velvetinas ... parvifolia discolorifolia horvellii Laeustr lapiflorum leftanthum Sambucus glanca .. pubens lobbii Sorbus occidentalis menziesi .. sanguneum .. sambucifolia .. saposum Spiraea arbuscula viscosissimum Rosa glanca Symphoricafias " gynnoenfa .. receverata .. pisocofoides .. woodsii Taxus brivifolia Tetradymia canescens Rubus lasiococcus Thuja plicata .. lencodernis nitidus narriflorus Isuga heterophylla ·· mertensiana

Umbellularia californica Vaccinium altum Ceshitoides caespitosum glaucum membranaceum myrtillus ovatum parjefolium Vitis -Viburum

Mr. Washburn, Shelburn, postmaster, will direct one to the Willer brothers who are familiar with early fire.

